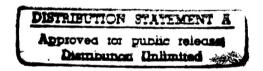


U.S. Army Corps of Engineers Water Resources Support Center Institute for Water Resources

PC-FIMACK

VERSION 1.010



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13. ABSTRACT (Maximum 200 words)			
The overall purpo	se of this report is	to provide an over	view of PC-FINPACK
which is a comput	erized financial anal	vsis and simulati	on model for water
supply and waste	water disposal facili	ties. The ration	ale underlying the
managers wish to	simulation models i maintain a given rat	io of debt to ea	ity in the firm's
halance sheet. T	he major postulate of	the PC-FINPACK ra	tionale (an exten-
gion of the afore	said debt-to-equity	rationale) is tha	t the constancy of
the ratio of Tota	al Operating Revenues al simulation analys	is of the account	ing data for water
supply and waste t	water disposal facili	ties. Development	of PC-FINPACK was
funded by the Pa	artners for Environm	ental Progress (PEP) Program, and
implemented by the	he U.S. Army Enginee lysts in their conduc	r institute for V st of financial an	alvses of projects
that public spons	ors are preliminaril	y considering for	privatization.
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NOTICE

The development of PC-FINPACK has out-paced this March 1993 version of the PC-FINPACK Documentation Report. Users hereby advised, therefore, that the information contained herein is still applicable to the operations of PC-FINPACK though some cell addresses may a few rows away from their true locations. Users will that directions, explanations, and helpful comments are distributed throughout the PC-FIN-PACK spreadsheets. Thus, the IWR Project Manager for PC-FIN-PACK believes that the celllocation deficiencies do warrant postponement of December 1993 delivery of PC-FINPACK to the PEP Program Managers, until publication of an updated Documentation Report.

PC-FINPACK

PURPOSE AND RATIONALE

Development of PC-FINPACK was funded by the Partners for Environmental Progress (PEP) Program, and implemented by the U.S. Army Engineer Institute for Water Resources. The PEP Program of the U.S. Army Corps of Engineers is designed to provide cost-shared planning assistance to communities involved in the planning required to satisfy their water supply and waste water disposal needs. PC-FINPACK is designed to support Corps of Engineers analysts in their conduct of computer-aided financial analyses of water supply projects and waste water disposal projects that public sponsors are considering for privatization.

PC-FINPACK is a computerized financial analysis and simulation model for water supply and waste water disposal facilities. Generally, the overriding rationale underlying the use of financial simulation models is the assumption that the firm's managers wish to maintain a given ratio of debt to equity in the firm's balance sheet. The rationale underlying the development of the PC-FINPACK Model is an extension of the aforesaid generally-applied rationale; axiomatically, therefore, the rationale underlying the operation of PC-FINPACK is the major postulate that the constancy of the ratio of Total Operating Revenues to Total Assets is an appropriate basis for financial simulation analysis of the accounting data for water supply and waste water disposal facilities.

PC-FINPACK uses its input data on water usage to calculate a specific firm's operating revenues—then, the predominant multiplier (the ratio of Total Assets to Total Operating Revenues) is used in conjunction with other multipliers to simulate balance sheets and income statements for each of the five years shown in the PC-FINPACK spreadsheet. In other words, for a specific firm (facility), PC-FINPACK enables its users to simulate balance sheets, income statements, and other data which are in conformity with comparable data for the typical firm in the specific facility's class.

¹ Prof. Simon Benninga, in the 1990 printing of his book, <u>Numerical Techniques in Finance</u>, revisits J. M. Warren's and J. P. Shelton's December 1971 <u>Journal of Finance</u> article in which they showed that certain balance-sheet relations may be determined from the simultaneous solution of several linear equations. Benninga made the point that, "... in the Warren-Shelton model the firm solves a problem that involves some twenty simultaneous equations in as many unknowns." (*Benninga*, 1990, p. 6)

The basic and essential input data, for PC-FINPACK, are a specific facility's:

- number of hookups designated by user-class,
- rates of annual growth of major activities-anditems, and
- multipliers which are representatives of the major accounting-and-financial (A&F) relationships for specific categories of facilities.

The data on number of hook-ups may be based on physical counts or projected usage. The PC-FINPACK growth rates and A&F multipliers were derived from analyses of the balance sheets and income statements of field-survey-determined categories of many financially sufficient privately- and public-owned water supply and waste water disposal facilities. The PC-FINPACK spreadsheet was designed to accept the manual loading of the input data.

HOW TO USE PC-FINPACK SPREADSHEETS

The input data for PC-FINPACK are contained in one of the spreadsheet files on the computer disks that were provided. First, the user should select the spreadsheet file that meets her/his requirements. Currently, only three population-categories (small, medium, and large) are available. Users must manually select the appropriate file from the disks provided at this time--WatSupA to WatSupRR, based upon size, region, municipal or private, and water supply or waste water disposal categories. The major things to remember are:

- Users should go directly to help-screen A 1.10 and review the default values. Enter the number of hook-ups expected into cells E40-E42, usage per hook-up into cells I40-I42, and rate per 1,000 gallons into cells C45-C47.
- Additional changes can be made to the income statement and balance sheet in column E if the default values are not appropriate. Save your default file under a new file name before changing it.
- Users can view help-screens:
 - via the spreadsheet by pressing the Tab-key twice, or pressing the Alt-key and H-key simultaneously. Users should press Shift-key and Tab-key twice to return to column A, and use the page-up or -down keys to find the lines they want.
- Users are advised to telephone Dr. Edward M. Pierce at (305) 472-1048 or (305) 475-7684, if they have problems, or need information on special considerations such as treatment or capital investment multipliers or problems with the model.

HOW TO CHANGE THE DEFAULT MULTIPLIERS

The predominant ratio (76737/19820), located in cell E600 and also known as the critical multiplier, was determined by analysis of several types of water utilities. This ratio is the essential control factor for calculating the "Total Assets" for the first year (cell E148), which is derived from the formula: "(76737/19820) multiplied by Total Operating Revenues in the first year, shown in cell E71. Therefore, "Computed Total Assets" equals 3.87170 multiplied by E71.

The multipliers in the spreadsheets may be changed by retrieving the spreadsheet, locating the cell(s) to be changed in the "LOOK-UP TABLE" at cell address A671 in the spreadsheet, going to cell(s) to be changed, manually making the change(s), and then saving the spreadsheet.

HELP-SCREENS EXCERPTED FROM PC-FINPACK SPREADSHEETS

• 1.7 Multipliers, lines 36, 37: The inflation rate and real growth rate are added to 1.00 to obtain the "relative." The relatives are multiplied together (1+inf)*(1+r) to obtain 1.00 plus your multiplier (cell I37). All default values are operative throughout the spreadsheet and model. You may change an individual multiplier by entering a new value in the multiplier column. Note that all lines reflect inflated values.

Revenue Computations, lines 39-48: Do not change default values. Enter any adjustments in the revised columns for rates, number of customers (Hook-ups), and usage per customer. If a gross revenue figure is all that is available, enter it in cell M45.

Press F9 (Function key F9) and the program will compute all of the forms based upon your revised numbers.

• 1.8 Special Considerations, lines 50-52: Tentative multipliers for special water treatment and unusual plant and equipment requirements (water towers, etc.) are as follows:

Air Stripping	\$ 300 per	1,000,000	gallons
GAC Absorption	\$ 500		11
Direct Filtering \$	1,000	19	11
Conv Treatment	2,250	II .	п
Steam Stripping	\$ 850	11	11

Presence of arsenic, barium, selenium, or coliform Bacteria requires special treatment. Contact Mr. Bill Clark at IWR (703) 355-2240.

1.8.1 Unusual transportation distances or pumping requirements may increase plant and equipment costs, as well as operating costs. No data are available to provide adjustments for these conditions at the present time.

Item

Norm Multiplier

Remarks

Pipelines Canals Water Towers Distribution Net EPA Modifications

- 1.9 Financing Costs, lines 55-59: Financing costs are carried to the weighted cost of capital (WCC) section (line 422). Default values are 10% cost of debt (BT), 9% cost of preferred stock, and 11.6% cost of equity (Beta of 0.80, Rm of 0.13, and RFR of 0.6). The WCC is used to compute present values (line 412) and uniform annual equivalent cost (line 416).
- 2.1 Revenues, lines 64-69: Revenues are computed for the first year using inputs for usage per customer, number of customers (Hook-Ups), and rate per 1,000 gallons. For large systems, numbers of gallons are divided by 1,000,000. Revenues are summed by component to arrive at totals, and are multiplied by the multiplier to obtain revenues for three future years. Revenues are multiplied by the multiplier raised to the sixth power to arrive at revenues in the tenth year.
- 2.2 Expenses, lines 73-83: Operating Expenses increase by use of the multiplier, and are considered as variable expenses. The socalled "fixed expenses" are not tied to operating levels, but are 3\$ likely to vary from year to year. The model does not increase fixed expenses over time, but you may increase them by changing the multiplier. The model aggregates fixed expenses, but you may enter values for each expense-category, separately. Neither depreciation nor amortization are increased between years; the model assumes depreciation and amortization amounts are reinvested in the capital accounts, so that plant and equipment accounts remain constant over the years. You may change the entries on lines 140-143 if you have better fore- casts for new construction and major maintenance. Liabilities and retained earnings columns may have to be adjusted.

Operating Earnings are computed by subtracting operating expenses, including depreciation and amortization, from operating revenues.

2.3 Non-Operating-Revenues-and-Expenses, -lines 99-104: (Temporary income from restricted assets should be backed out of the income

statement if it is large enough to distort results.) Interest income results from investing normally available assets, to include excess cash. If cash builds up in the model due to excess retained earnings, it is not used to generate additional investment income. You may show additional income on line 99.

Interest expense is obtained by multiplying debt outstanding (cells E155+E156, E170, and E171) by current interest rate (cells E55-E59).

• 2.4 Net Profit and Retained Earnings: Earnings are summed, tax rate (40% in cell C108) is applied, and profit after tax is computed.

Dividends and adjustments are subtracted and retained earnings are posted to the next year's balance sheet (cell G176).

- 3.1 Current Assets, lines 123-131: Cash line is carried forward from line 400 (Cash, End of Year) of the current year. Other lines for the first year are computed by multiplying the total asset figure (cell E148) by the default fraction. Follow-on years are computed by multi- plying the current year value by the multiplier. First year values may be adjusted to reflect your experience by first adjusting the total asset figure, and by second recalculating the decimal multiplier for each line item of the balance sheet. These should sum to 1.0. Third, enter cells E124-E146 of the asset side of the balance sheet and change the fraction used to multiply cell E148. Check your results against the normalized balance sheet.
- 3.2 Restricted Assets, lines 133-137: Restricted assets include monies committed for special purposes such as expanded facilities. The default values include a normal amount of such monies. Theoretically, restricted funds should be cleansed from the income statement and the balance sheet before the financial analysis is completed. If restricted assets are more than 5 to 10% percent of total assets, we recommend that their effect be subtracted from both the balance sheet (lines 133-137) and income statement (line 99).
- . 3.3 Fixed Assets, lines 139-145: Fixed assets are held constant through the out-years, assuming that depreciation and amortization are reinvested in plant and equipment. This assumption has the effect of zeroing out the depreciation line and amortization lines. The multiplier is held at 1.00 for fixed assets.

Construction in progress is considered as financed from restricted assets, and is backed out of both assets and liabilities. Note that current depreciation and amortization are being reinvested, and recorded under plant and equipment (line 140).

• 3.4 Total Assets, line 148: The total asset line is a key line in that other assets are computed as a percentage of total assets. The ratio of assets to revenues is computed for the average utility of your size and type. Your revenues (computed according to your number of customers, your usage per customer, and your rates) are multiplied by the ratio of assets to revenues (about 3.8) to obtain the total asset value in cell E148.

Line 149, shows the difference between assets and liabilities plus net worth. On line 150, the asset lines in the balance sheet are totaled to provide a check against the computed asset value. If the multipliers add to one, line 150 should be within one percent of line 148. Differences should be less than two percent, except for column M, which is a rough approximation for a six-year interval.

Asset totals for the out-years are simply the total of all assets, as in any balance sheet. Line 149 is the difference between assets and liabilities, and provides a check of the internal consistency of the program as it is applied to your situation. If errors exceed five percent, consult the trouble shooting section of the manual or call 305-472-1048, Dr. Edward Pierce.

• 3.5 Current Liabilities, lines 152-160: Current liabilities for the first year are computed as a fraction of total assets. The multiplier is used to obtain out-year values except for the current portion of long-term debt, which is computed by multiplying the remaining debt by the first year percentage. You may prefer to hold this number constant by using a 1.0 multiplier. Note that a reduction in debt is a negative cash flow (line 384). Increases in liabilities have the effect of positive cash flows--both will affect the cash account.

Payable from Restricted Assets, line 162-164: These lines are normally zeroed out, but may be used if you include restricted assets in the balance sheet and income statement.

Advances from Other Funds, line 167: Use if you have liabilities due to advance payments from other funds.

- 3.6 Long-Term Liabilities, lines 169-171: Intermediate-term and long-term debt are computed for the first year as a fraction of total assets (line E148). The out-year figures are the first year figures less the previous year's current portion, long-term debt (line 156).
- 3.7 Equity, lines 172-178: Preferred stock, common stock, paid in surplus and retained earnings make up the equity accounts in the business firm. Preferred stock is considered equity by law, and dividends are paid after income is taxed--as opposed to debt where

interest is paid before income is taxed. Preferred dividends are fixed for the life of the stock, and are deducted from net income (line 218).

Common stock, paid in surplus, and retained earnings are all treated as one account in computing cost of equity. The municipality is paid dividends on contributed capital (equity) which is equivalent to common stock plus paid-in-surplus. Dividends grow as equity grows. Equity is totaled, and liabilities and equity are added together to arrive at line 180, which should equal line 148 if the balance is to balance. In this model, we do not attempt to force this balance, but we note instead the differences between assets and liabilities (line 149) to obtain a check on the model's internal consistency.

• 4.1 Normalized Income Statement, lines 184-223: Normalized income statements are developed by dividing each line by total revenues. The decimals should be the multipliers used to generate your first year income statement (decimal multiplied by \$E\$71). Column F, line 202, contains the total of the expense column decimals. This total plus the operating earnings (E204) should equal 1.000.

Non-Operating revenues are computed in the same manner, but are not additive to the totals. Interest income is shown as a negative cash inflow.

Profits after tax, dividends, and adjustments complete the normalized income statement.

• 4.2 Normalized Balance Sheet, lines 242-300: Each line of the balance sheet is divided by total assets to obtain the decimals. The asset lines are summed, and should total to 1.000 (line 257). Errors of less than 0.02 in column M are considered acceptable.

Liabilities and equity accounts are computed in the same manner, and should total to 1.000 (line 300). Again, errors of less than two percent in column M are considered acceptable.

• 4.3 Liquidity Ratios, lines 304-309: Liquidity ratios tell us our ability to pay our current bills. The most stringent is the acid test ratio, which contains only cash and short-term securities (near-cash) in the numerator, and current liabilities in the denominator. An adequate ratio is 0.10 for a large firm, 0.50 for a small firm. Liquidity in the sample firm increases as the cash account grows.

Quick ratios include receivables in the numerator, and current ratios include all current assets in the numerator. As a rule-of-thumb, the quick ratio should be about 1 to 1, and the current ratio about 2 to 1, may be lower for utilities.

• 4.4 Activity Ratios, lines 312-322: Activity ratios look at the turnovers of accounts receivable and inventory (lines 312, 314). Days outstanding refers to receivables and tells us the length of time needed to collect the average account receivable. Thirty to forty-five days would appear to be adequate.

Asset turnover is an indication of the efficient use of assets. Although the normal for a manufacturing concern is about 1-to-1, utilities are heavy in assets, and have correspondingly low turn overs. Our averages are from 0.16 to 0.30. The 1.000/asset turnover is the key multiplier used to obtain total assets in cell E148.

A number of special ratios are computed in the industry. Additional ratios may be added on lines 461 to 500.

• 4.5 Coverage Ratios, lines 317-320: Coverage ratios tell us how well protected our interest and other fixed payments are secured, or covered. Interest coverage is computed by adding interest paid to earnings before taxes, and dividing the result by interest paid. Coverage should be twice interest, as a minimum.

Interest and dividend coverage is an indication of how well our dividends are covered. Dividends are paid after taxes, and must be corrected to a before tax figure by dividing the total by (1.000 minus the tax rate).

Fixed finance payment coverage is computed the same way, and should include principal payments on debt (corrected for taxes) and other fixed finance charges (long-term leases) if data are available.

• 4.6 Leverage Ratios, lines 321,322: Leverage ratios developed by dividing debt by total assets, or debt by equity. If a firm is well into the black on its income statement, it can increase its return on equity by increasing its debt ratio. The trade-off is that the firm takes on a higher risk that it will not be able to pay the increased interest and other fixed financing charges in the future.

Utilities, such as water supply and waste water treatment plants typically have high debt to equity ratios since their income is fixed, and there is little danger that they will not be able to meet these financial obligations.

Even privatized utilities are able to carry relatively high debt ratios.

● 4.7 Profitability, lines 324-328: Profitability measures include margin, or net profit over revenues, return on assets, and return on equity. The equity in a municipally-owned firm is imputed as the contributed capital plus retained earnings.

The guidelines for return on equity may be computed by using the formula shown on line 434 (default value of 0.116). This equity return is averaged with debt interest rates using a weighted average technique. Firms that earn this overall rate of return are able to pay interest on their debt and also reward equity holders with dividends. In the model, dividends provide about 40 percent of stockholder return, and growth is expected to provide about 60 percent. Firms that earn this target rate of return will show a zero net present value for cash flows when the weighted cost of capital is used as a discount factor; the internal rate of return will equal the WCC (cell G429).

Municipalities may be subsidizing the utility if the NPV is negative, and may be subsidizing other operations if the NPV is positive.

• 4.8 Growth ratios, lines 330-334: Two factors influence growth of revenues, real growth in operations, and inflation. Real growth increases at about two percent for a mature utility, and the default value for inflation is 3 percent. See help frame 1.9 for the computations to integrate thee values into the model.

Cash flow, earnings, and dividend growth are geometric averages of the growth over the ten year period.

- 4.9 Operating Statistics, lines 337-338: Data on operating statistics are not available at this time.
- 5.1 Operating Cash Flows, lines 364-367: Money received from customers is taken from line 71; cash payments from line 93 after, adding back depreciation and amortization.

An increase in current asses (less cash in this case) or a decrease in current liabilities is a use of cash (lines 369, 370). Tax payments are also negative cash flows and are deleted from operating cash flows, to give a net operating cash flow (line 372).

• 5.2 Other Cash Flows, lines 374-394: Cash flows from non-capital accounts are netted out, with "advances to" as negative and "payments from" as positive.

The retirement of long-term (LT) debt is a negative cash flow, and may include payments out of restricted assets.

Interest on LT debt and dividends are negative cash flows, but may be offset by investment interest. Purchases of securities is a negative cash flow if the securities are listed as an increase in another asset account; sales of securities is a positive cash flow.

- 5.3 Summary of Cash Flows, lines 396-400: Net cash flow is the algebraic sum of lines 372, 378, 390, 393, and 394. Net cash flow is added to cash available at the beginning of the year to obtain cash available at the end of the year. This value should be carried up to the balance sheet for the year as the cash balance.
- 6.1 Payback, lines 403-406: Payback computations are based upon net cash flow (line 396), lagged one year, subtracted from original capital invested (debt plus equity).

Payback is very slow for most utilities due to the heavy investment and regulated environment that limits returns; thus, payback is not a good measure of performance for utilities.

We have artificially assumed an infinite life, and amortized the cash flows beyond year ten at the cost of capital (cell G429) to show that payback of all capital does occur (as signified by the negative number in cell K406). On the average, over two-thirds of the investment is paid back at the end of year ten (K406/F404).

The second payback computation is based upon payback of contributed capital (equity), as is normal in financial analysis.

• 6.2 Internal Rate of Return, lines 409, 410: The amortized value of cash flows for years ten and beyond are included in cell K409 to arrive at a fair IRR based upon equity investment.

This internal rate of return is on original equity (contributed capital).

• 6.3 Net Present Value, lines 413-415: The net present value calculations are provided for both equity and total investments, and represent the values of the cash flows the utility will generate, discounted at the cost of equity (cell D427) less the original equity investment (cell E175).

A positive net present value would indicate a potential for privatization of the utility.

Uniform equivalent cost is computed by using the total capital invested (all debt plus equity). This figure is divided by the present value of an annuity figure for the weighted cost of capital figure. (We used the closest approximation available from our present value tables.)

● 7.1 Cost of Components, lines 424-428: Cost of debt is the current cost of borrowing when considering new investments. For a municipal, that cost would be the interest paid on a bond issue,

adjusted for issuing expenses. We assume that the bonds would be tax-free. The after tax default value for both municipalities and firms is 0.06 since municipal interest is not subject to federal tax, but interest on private debt must be adjusted for the federal tax effect; thus, multiply interest rate by (1.0 minus tax rate).

Cost of preferred stock is the dividend paid divided by the issue proceeds. We have assumed a \$9 dividend and issue proceeds of \$100.

Cost of equity is computed using a financial formula based upon the capital asset pricing model. An alternative approach, which assumes a constant growth pattern, gives a much smaller required return on equity. The conservative approach was taken, giving a default value of 11.6 percent.

• 7.2 Weighted Average Costs, lines 424-427: We have used the book values of debt and equity for the first year to determine market values of the components. Proportions are the value of each component divided by the total value of all components.

The After Tax Cost of each component is multiplied by that component's proportion to obtain a weighted cost for the component.

The weighted cost of each component is summed to provide a Weighted Cost of Capital (WCC). The default value varies, but is approximately 8 percent. This value, the WCC, is used as the discount value when computing net present value of the firm, debt plus equity.

A sample copy of a PC-FINPACK generated spreadsheet is on the next page.

We hope PC-FINPACK proves to be helpful in your financial analysis of water-supply and -disposal facilities and, perhaps, other kinds of projects when appropriate multipliers become available.

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SAMPLE PC-FINPACK SPREADSHEET

(right)(right)mr132-os \ 015-qgpqB 3. IWR Data Base A: Private Water Supply, 19XX - 19XX+10 MEDIUM. WEST 6 NOTES: Column D will be deleted in final worksheet. Currently, we have small, medium, and large population-categories. A 1.6 Type of Project Municipal Water Supply Tsers must manually select the appropriate file from the disks provided at this time--WatSupA to WatSupRR, based upon size, region, municipal or private, and water supply or waste water disposal categories. 10 Municipal Waste Water Disposal Private Water Supply 12 XXX Private Waste Water Disposal So directly to help-screen A 1.10 and review the default values. Enter the number of hook-ups expected into cells E40-E42, usage per hook-up into cells I40-I42, and rate per 1,000 gallons into cells C45-C47. 14 Population Less than 500 501 to 3.300 2.301 to 25.000 17 333 λ dditional changes can be made to the income statement and balance sheet in column E if the default values are not appropriate. Save your default file under a new file name before changing it. 18 25001 to 50,000 19 Greater than 50,000 20 You can view help-screens by pressing Tab-key twice, or pressing Alt-key and H-key similtaneously. Press Shift-key and Tab-key twice to return to column A. You may have to page up or down to find the lines you want. Region: 22 East Middle 24 West 25 XX Telephone Dr. Edward H. Pierce at (305) 472-1048 or (305) 475-7684. if you have problems, or need information on special considerations such as λ 1.7 treatment or capital investment multipliers or problems with the model. Data base questions should be referred to Dr. G. Richard Dresse, (614) Source of Water Supply 28 Surface 251-4566. 251-4566. Model-access and programming questions should be referred to Mr. Bill Clark, Engineer Institute for Nater Resources, (703) 355-2240. Well 30 XXX 31 The default values for this project will be based upon: Sevised inflation rate 36 2 000 sage growth rate 0.050 Your multiplier is NUMBER OF HOOK-UPS 1.050 38 (3.5 people per hook-up, gallons in 000s.) USAGE PER HOOK-UP Default 39 Revised Revised Default Total Usage 5436646 136.1 136.1 592.0 Residential 40 Commercial Industrial 4251 4251 7516498 11881.0 11881.0 42 21 249500 43 Revenue: Revenue per customer RATE PER 1.000 GAL. Default 44 Revised Revised 315.7 Default Revised 2.320 1.710 1.880 45 2.320 315.7 12613 12613 0.725 Compercial 46 4303 4303 3.248 Industrial 22336.2 22336.2 469 469 3.027 Weighted Average 2.157 48 1.000 17385.3 Special Considerations: 50 Treatment cost multiplier 51 See line 61, help screen. Supplemental capital investm 52 Financing costs: 54 Default Short-term debt 0.100 0.100 Intermendiate-term debt 56 0.100 0.100 0.100 0.100 Preferred Stock 0.090 58 0.00 0.116 0.116 60 INCOME AND EXPENSES. PRIVATE WATER SUPPLY, MEDIUM, WEST (Dollars in thousands) Multiplier 62 to 6th power OPERATING REVENUES 1993 Multiplie 1994 1995 2001 REPERENCE 13243.7 1.050 13905.9 Residential 12613.0 1.050 1.050 19566.9 14601.1 1.340 +k45 Commercial 1.340 1.340 1.340 1.340 4303.2 4518.4 1.050 4744.3 1.050 4981.5 6675.7 k46 Industrial 469.1 1.050 1.050 517.1 k47 Heavy Industrial 1.050 0.0 1.050 0.0 1.050 0.0 0.0 1.050 ese bad accounts 68 0.0 0.0 1.050 0.0 0.0 Other Operating Income 0.0 1.050 0.0 1.050 0.0 1.050 3.0 1.340 0.0 70 17385.3 1.050 18254.6 Total Oper. Rev., 1st Yr. 1.050 19167.3 1.050 20125.6 1.340 26970.3 Su 72 OPERATING EXPENSES 75 76 Employee Salaries 0.000 0.0 0.0 0.0 0.0 0.0 Soc. Sec. Benefits 0.000 0.0 0.0 0.0 0.0 0.0 Prince Benefits 0.000 77 78 0.0 0.0 0.0 0.0 0.0 Best-Light-Power 2.0 0.0 0.0 0.0 0.0 Supplies-Materials 0.000 79 3.0 0.0 0.0 0.0 0.0 Kaintenance 0.000 80 0.0 0.0 % of sel Other 0.722 8466.6 1.050 8890.0 1.050 9334.5 1.050 9801.2 82 VARIABLE EXPENSES 0.722 83 8466.6 1.050 1.050 9334.5 1.050 9801.2 1.340 13134.5 Summed 84 Amortization 0.000 85 0.0 0.0 0.0 0.0 0.0 Capacity Depreciation 86 1303.9 1.000 1.000 1.000 1303.9 adequate 0.0 e71*.087 0.111 1303.9 1.000 1303.9 1303.9 0.000 Insurance 87 0.0 0.0 0.0 Professional Fees 88 2.0 0.0 0.0 0.0 Other (Taxes) 0.167 1.000 1954.1 1.000 1954.1 1.000 1954.1

WatsupD

(Medium, West)

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0.278 91

FIRE EXPENSES

TOTAL OPER.EXPENSES

rj(right)(right)(right)(right)

Common Dividence 1.00 1.		94	*********		********							
Company Comp	OPERATING EARNINGS (LOSSES)	95										e71-e93
Common 100 1	NON-OPERATING REVENUES (EXPERI	SES)										
Color Colo	Interest Income		0.0		2.0		3.0		2.0		0.0	
Company Comp							0.0					
### DOTS NOT-OPERATING RANKINGS 0.0 0.												
### STR NAMINGS 105 1915.4 -3695.4 -36		103										
NATE MANUFACES 107 1955.3 1411.2 2479.5 1.171 3371.1 1.722 2800.5 071.7 TAX 1 .0400 1.052 100 1.052 100 1.051.5 1.050 1.051.8 1.050 1.052.8 071.7 TAX 1 .0400 1.052 100 1.052 100 1.052.8 1.050 1.052.8 1.052.8 071.7 TAX 1 .0400 1.052 100 1.052.8 1.	NET NON-OPERATING EARNINGS	105	-3695.4		-3695.4		-3695.4		-3695.4	-		
THE 1.400 1.045 100 1.061 100 1.61.1 1.000 154.5 1.000 1551.5 1.000 1.051.6 1.000 1.051.6 1.000 1.051.6 1.000 1.051.6 1.000 1.051.6 1.000 1.051.6 1.000 1.051.6 1.000 1.051.6 1.000 1.051.6 1.000 1.051.6 1.000 1.051.6 1.000 1.051.6 1.000 1.051.6 1.0000 1.000 1.000 1.000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.	NET EARNINGS		1965.3		2411.2		2879.5	1.171	3371.1	1.722	5805.0	when disc
PROTECT AFTER TAX	Tax 0.400 0.045								1348.4		2322.0	e71°.136
Friedrich Stock Dividends	PROFIT AFTER TAX 0.068									4		
Adjustments 113 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0											-76.7	
TOTAL CO AMERICAND AND THE STATE OF THE STAT												4110*.04
CARR ECC Seath of Yr.) 127 127 127 127 127 127 127 127 127 127												Summed
Cash BOY (Regin, of Yr.) 127 2557.6 1.053 1992.4 1.050 2107.0 120.0 2066.4 1.340 1977.9 Cash EVY (Eds of Yr.) 116 1292.4 1297.0 1207.2 1207.2 1207.2 1207.2 1207.2 1207.6 1207.0 1207.6 1207.0 1207.2 1207.6 1207.0												
Cash EVY (End of Yr.) 118 269.4 2027.0 2968.4 3116.8 4376.8 1270.0 288.4 116.9 1270.0			2557.8	1.053	1592.4	1.050	2827.0	1.050	2968.4	1.340	1977.9	
SALANCE SKEET, PRIVATE WATER SUPPLY, MODIUM, WEST Collers in thousands) CURRENT ASSETS CASA (ILBA 136) 1.040 124 1892 1993 1993 1994 1.050 1316.8 1.340 177.6 Accounts Receivable 1.25 16.4 1.050 1207.0 1.050 1764.4 1.050 1316.8 1.340 177.6 Accounts Receivable 1.25 16.4 1.050 1207.0 1.050 176.4 1.050 1316.8 1.340 177.6 Accounts Receivable 1.25 16.4 1.050 1207.0 1.050 176.4 1.050 176.5 Accounts Receivable 1.25 16.4 1.050 1207.0 1.050 176.6 1.00 1.00 17.0 17.0 ACCOUNTS RECEIVABLE 1.25 16.4 1.050 176.5 Accounts Receivable 1.25 16.5 Accounts Receivable 1.25 Accounts Receivable 1.25 16.5 Accounts Receivable 1.											4176.8	
COMMENT ASSETS	Cash Aveil. for Withdrawai		67.3		121.2		127.2		133.6		179.0	
CARBALLIAN 130	BALANCE SHEET, PRIVATE WATER		LY, MEDIUM,	WEST	Dollars in	thousen	ids)					
Accounter Receivable 125 16.4 1.0		123										REFERENCE
Total Contributed Capital 126 1.00 1				1.050		1.050		1.050		1.340		
Due from Other Governments 127 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0												AR dummer
Total Cutr. Asset 1,002 1237 1,000 1258.3 1,050 1268.4 1,050 1288.4 1,140 1,122.1 1,040 1,122.1 1,040 1,122.1 1,040 1,122.1 1,040 1,122.1 1,040 1,04		127	0.0		3.0		0.0		3.0			ACK CLIMANS
Total. Ciff. Asset 0.072 131 4473.2 5084.3 5318.4 5605.3 7510.9 Summer Ciff. Asset 1.00 132 132 132 132 133 133 133 133 133 133				. 350		. 050		. 050		. 340		1400 1
New Notion		130				1.020		1.030				_
Investmente 134 0.0 0.		132	44/3.2		3006.3		3330.0		3603.3		/510.9	Summed
ARContributed Capital 135 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.			o. o		0.0		0.0		0.0		0.0	
TOT. Rest. Assets 2.000 137	ARContributed Capital											
PILED ASSETS 139	Tot. Rest. Assets 0.000	137	0.0		0.0		0.0		0.0		0.0	-
Lease Depreciation 141 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.												
Construction in Progress 142 0.0 0												
Combutuation in Progress 143 0.0 0.0 0.0 0.0 0.0 0.0 support Contribution in Progress 143 0.0 0.0 0.0 0.0 0.0 0.0 support Contribution in Progress 144 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0												Asseme r
Tot. Fired Assets 0.103 146 5950.2 1.050 7533.1 55531.3 55531.3 Name of the research of the re		143	0.0									enbboir d
COMPOTED TOT. ASSETS-1ST YR 148 67310.6 67867.1 68483.8 69131.3 73755.9 (Asset SIMING LIABILITIES 148 0.0 67867.1 68483.8 69131.3 73755.9 (Asset SIMING LIABILITIES 148 0.0 67867.1 68483.8 69131.3 73755.9 (Asset SIMING LIABILITIES 150 0.0 67867.1 68483.8 69131.3 73755.9 (Asset SIMING LIABILITIES AND EQUITY 151 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.		145	55531.3									
ASSETS MINUS LIABILITIES 149 0.0 -0.0 0.0 0.0 0.0 0.0 Asset SIN OF ASSET-ELEMENTS-CIRCK 1.50 67310.6 67867.1 58483.8 59131.3 73755.9 LIABILITIES AND ROUTY 1.51 CORREST LIABILITIES 1.52 Accounts Payable 1.53 0.0 0.0 0.0 0.0 0.0 0.0 Accounts Payable 1.54 0.0 0.0 0.0 0.0 0.0 0.0 Short Term Cobt 1.55 0.0 0.0 0.0 0.0 0.0 0.0 Current Part. LT Debt 1.56 0.0 0.0 0.0 0.0 0.0 0.0 Due to Other Funds 1.57 0.0 0.0 0.0 0.0 0.0 0.0 Current Part. LT Debt 1.56 0.0 0.0 0.0 0.0 0.0 0.0 Current Part. LT Debt 1.56 0.0 0.0 0.0 0.0 0.0 0.0 Current Part. LT Debt 1.56 0.0 0.0 0.0 0.0 0.0 0.0 Current Part. LT Debt 1.56 0.0 0.0 0.0 0.0 0.0 0.0 Current Part. LT Debt 1.56 0.0 0.0 0.0 0.0 0.0 0.0 Current Part. LT Debt 1.56 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Current Part. Liabilities 1.60 6638.8 6403.9 6660.7 5571.4 8182.9 Summe Payable Payable 1.62 0.0 0.0 0.0 0.0 0.0 0.0 0.0 PAYABLE FROM RESTRICTED ASSETS Contract Payable from R.A. 1.65 0.0 0.0 0.0 0.0 0.0 0.0 0.0 ADVANCES FROM OTHER FUNDS 1.65 0.0 0.0 0.0 0.0 0.0 0.0 0.0 ADVANCES FROM OTHER FUNDS 1.65 0.0 0.0 0.0 0.0 0.0 0.0 0.0 LONG TERM LIABILITIES 1.65 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Adjus Term Debt 0.131 171 12068.2 12068.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0				1.050		1.050		1.050		1.340		
SUM OF ASSET-ELEMENTS-CHECK 150 67310.6 67867.1 58483.8 59131.3 73755.9											73755.9	(Assets/R
CURRENT LIABILITIES 152												years -
Accounts Payable 153 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Accounts Payable 155 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	LIABILITIES AND EQUITY	151		•			30000		.,.,.,		, , , , , , , ,	Page
Short Term Debt 155 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0												
Cutrean Part. LT Debt 156 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.												
Other Funds 157 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.												
Total Curr. Liabilities 160 6638.8 6403.9 6060.7 5571.4 8182.9 Summer PAYABLE FROM RESTRICTED ASSETS Contracts Payable 162 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.											0.0	
PATABLE FROM RESTRICTED ASSETS Contracts Payable 162 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Deposits 163 0.0 0.0 0.0 0.0 0.0 0.0 Total, Payable from R.A. 165 0.0 0.0 0.0 0.0 0.0 0.0 ADVANCES FROM OTHER FUNDS 167 0.0 0.0 0.0 0.0 0.0 0.0 0.0 LOSS 168 LONG TERM LIMBILITIES 169 Intermediate—Torm De 0.236 170 15885.3 15885.3 15885.3 15885.3 15885.3 15885.3 1688 ROULTY 172 Preferred Stock 0.019 173 1278.9 1278.9 1278.9 1278.9 1278.9 1278.9 1278.9 1278.9 1488 Common Stock 0.324 174 21808.6				1.050		1.050		1.050	5571.4	1.340	8182.9	
163 0.0	PAYABLE FROM RESTRICTED ASSET	rs										
Total, Payable from R.A. 165 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.												
ADVANCES FROM OTHER FUNDS 167 0.0 0.0 0.0 0.0 0.0 Adjusted from LIBRILITIES 169 Adjusted from LIBRILITIES 169 School Company of the part of the company of the part of the company of the		164										_
LONG TERM LIBILITIES 168 Intermediate-Term De 0.236 170 15885.3 15885.3 15885.3 15885.3 15885.3 15885.3 1688 Long Term Debt 0.313 171 21068.2		166	•									
Intermediate-Term De 0.236 170 15885.3 15885.2 15885.3 15885.3 15885.3 15885.3 15885.3 15885.3 15885.3 15885.2 15885.3 15885.3 15885.3 15885.3 15885.3 15885.3 15885.3 15885.2 15885.3 15885.3 15885.3 15885.3 15885.3 15885.3 15885.2 15885.1 15885.1 15885.1 15885.1 15885.1 15885.1 15885.1 15885.1 15885.1		168	i		0.0		0.0		0.0		0.0	Adjust to
Long Term Debt 0.313 171 21068.2 21068					15885.3		15885.3		15885 2		15886 2	schedule
Preferred Stock 0.019 173 1278.9 1278.9 1278.9 1278.9 1278.9 1278.9 1278.9 0148 Common Stock 0.324 174 21808.6 21808.6 21808.6 21808.6 21808.6 21808.6 21808.6 0148 Contributed Capital 0.000 175 0.0 0.0 0.0 0.0 Not corre 0.0 Retained Earnings 0.009 176 530.8 1422.1 2382.0 3518.8 Have 5 ye 5531.9 0 Beg Total Equity 0.352 178 23718.3 24509.6 25469.5 25666.4 28619.4 Summe Total Liabil. 4 Equity 180 67310.6 67867.1 68483.8 69131.3 73755.9 RE su for 9 NORMALIZED INCOME STATEMENTS. PRIVATE WATER SUPLY, MEDIUM, WEST 184 1992 1993 1994 1995 2001 REFER	Long Term Debt 0.313	171	21068.2									
Common Stock 0.324 174 21808.6 21808.2 21808.6 21808.2 21808.6 21808.2 21808.6 21808.2 21808.6 21808.2 21808.6 21808.2 21808.6 21808.2 21808.6 21808.2 21808.6 21808.2 21808.6 21808.2 21808.6 21808.2 21808.6 21808.2 21808.6 21808.2 21808.6 21808.2 21808.2 21808.6 21808.2					1278 0		1278 6-		1278 *		1278 4	-1489 00
Retained Earnings 2.009 176 530.8 1422.1 2382.0 3518.8 Have 5 ye 5531.9 0 Beg Total Equity 0.352 178 23718.3 24509.6 25469.5 25606.4 28619.4 Summe Total Liabil. 4 Equity 180 67310.6 67867.1 68483.8 69131.3 73755.9 RE su 181 1.000 182 NORMALIZED INCOME STATEMENTS. PRIVATE WATER SUPLY, MEDIUM, WEST OPERATING REVENUES 185 185	Common Stock 0.324	6 174	21808.6		21808.6		21808.6		21808.6		21808.6	
Total Equity 0.352 178 23718.3 24509.6 25469.5 25606.4 28619.4 Summer Total Liabil. 4 Equity 180 67310.6 67867.1 68483.8 69131.3 73755.9 RE su for 9 NORMALIZED INCOME STATEMENTS. PREVATE WATER SUPLY, MEDIUM, WEST 1993 1994 1995 2001 REFER TOTAL SUPLY SUPERING REVENUES 185												
Total Liabil. 4 Equity 180 67310.6 67867.1 68483.8 69131.3 73755.9 RE su 181 1000 182 NORMALIZED INCOME STATEMENTS. PRIVATE WATER SUPLY, MEDIUM, WEST 184 1992 1993 1994 1995 2001 REFER 185	Total Equity 0.352											/3)*
181 for 9 1.000 182 NORMALIZED INCOME STATEMENTS, PRIVATE WATER SUPLY, MEDIUM, WEST 184 1992 1993 1994 1995 2001 REFER OPERATING REVENUES 185		179	********					ı			******	-
NORMALIZED INCOME STATEMENTS, PRIVATE WATER SUPLY, MEDIUM, WEST 184 1992 1993 1994 1995 2001 REFER OPERATING REVENUES 185		181			67 867.1		68483.8		69131.3		73 755.9	for 96 to
OPERATIEG REVENUES 185		. PRI	VATE WATER	SUPLY,		ST	1984		1000		****	
Savetee Changes 186 1 000 1 000 4 000 4 000		185	1						7332		2001	REFERENCE
Service Charges 186 1.000 1.000 1.000 1.000 1.000 Base	Service Charges	186	1.000		1.000		1.000		1.000		1.000	Base for

	187 0.000	0.000	0.000	0.000	0.000 expenses	
OPERATING EXPENSES	188 189					15
Employee Salaries	190 3.000	0.000	0.000	0.000	0.000	
Soc. Sec. Benefits	191 0.000	0.000	0.000	0.000	0.000	
Pringe Benefits	192 0.000	0.000	0.000	0.000	0.000	
Heat-Light-Power Supplies, Materials	193 0.000 194 0.000	0. 000 0.000	0.000	0.000	0.000	
Maintenance	195 0.000	0.000	0.000 0.000	0. 000 0. 000	0.000	
other	196 0.722	0.732	0.741	0.751	0.752	
FIXED EXPENSES AMOUNTLEATION	197 198 0.000					
Depreciation	198 0.000 199 0.111	0.000 0.107	0. 000 0. 104	0. 000 0. 100	0.000	
Insurance	200 0.000	0.000	0.000	0.000	0. 075 0.000	
Professional Pees Other	201 0.000		0.000	0.000	0.000	
CEBSE	202 0.167	0.161	0.155	0.150	0.174	
OPERATING EARNINGS (LOSSES)	204 0.326		0.343	0.351	0.352	
NON-OPERATING REVENUES (EXPE	205 MSRS)					
	207					
Interest Income Other Income	208 0.000		0.000	0.000	0.000	
Sale Fixed assets	209 0.000 210 0.000		0. 000	0. 000 0. 000	0.000	
Interest Expense	211 -0.213	-0.202	-0.193	-0.184	0.000 -0.137	
Other	212 0.000		0.000	0.000	0.000	
NET NON-OPERATING EARNINGS	213					
Tax	215 0.045	0.053	0.060	0.067	0.086	
	216		******	******	U.086	
PROFIT AFTER TAX (%Reven) Preferred Stock Dividends	217 0.068		0.090	0.101	0.129	
Common Dividends	218 0.004 219 0.027	0.004 0.032	-0.004 0.036	-0.004 0.040	-0.003	
Adjustments	220 0.000	0.000	2.000	0.000	0.052 0.000	•
To Retained Earnings	221 0.036	0.043	0.050	0.056	0.075	
	222 223					
	224					
	225					
	226					
	228					
	229					
	230 231					
	232					
	233					
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	235					
	236 237					
	236 237 238					
	236 237 238 239					
NORMALIZED BALANCE SHEET, PR	236 237 238 239 240 IVATE WATER SU	PPLY, MEDIUM, WEST				
	236 237 238 239 240 IVATE WATER SU 242					
NORMALIZED BALANCE SHEET, PR CURRENT ASSETS Cash (E400, lst Year)	236 237 238 239 240 IVATE WATER SU	1993	1994 2.043	1995	2001 REPERENCE	
CURRENT ASSETS Cash (E400, lst Year) Accounts Receivable	236 237 238 239 240 IVATE WATER SU 242 243 1992 244 0.040 245 0.040	1993 0.042 0.000	0.043 0.000	1995 0.045 0.000	2001 REFERENCE 0.057 0.000	
CURRENT ASSETS Cash (E400, lst Year) Accounts Receivable Due From Other Funds	236 237 238 239 240 IVATE WATER SU 242 243 1992 244 0.000 245 0.000	1993 0.042 0.000 0.000	0.043 0.000 0.000	0.045 0.000 0.000	0.057 0.000 0.000	
CURRENT ASSETS Cash (E400, lst Year) Accounts Receivable	236 237 238 239 240 IVATE WATER SU 242 243 1992 244 0.040 245 0.040	1993 0.042 0.000 0.000 0.000	0.043 0.000 0.000 0.000	0.045 0.000 0.000 0.000	0.057 0.000 0.000 0.000	
CURRENT ASSETS Cash (E400, lst Year) Accounts Receivable Due From Other Funds Due fromDue Other Funds	236 237 238 239 240 IVATE WATER SU 242 243 1992 244 0.040 245 0.000 246 0.000 247 0.000 248 0.000 249 0.032	1993 0.042 0.000 0.000 0.000	0.043 0.000 0.000	0.045 0.000 0.000	0.057 0.000 0.000	
CURRENT ASSETS Cash (E400, lst Year) Accounts Receivable Due from Other Funds Due fromDue Other Funds Inventory, at cost Prepaid Expenses	236 237 238 239 240 242 243 244 245 246 246 246 247 248 260 248 260 260 260 260 260 260 260 260 260 260	1993 0.042 0.000 0.000 0.000 0.000 0.033	0.043 0.000 0.000 0.000 0.000 0.035	0.045 0.000 0.000 0.000 0.000	0.057 0.000 0.000 0.000 0.000 0.045	
CURRENT ASSETS Cash (E400, 1st Year) Accounts Receivable Due From Other Funds Due fromDue Other Funds Inventory, at cost Prepaid Expenses Total, Current Assets	236 237 238 239 240 IVATE WATER SU 242 243 1992 244 0.040 245 0.000 247 0.000 247 0.000 249 0.000 250 0.032	1993 0.042 0.000 0.000 0.000 0.000 0.033	0.043 0.000 0.000 0.000 0.000	0.045 0.000 0.000 0.000 0.000	0.057 0.000 0.000 0.000 0.000	
CURRENT ASSETS Cash (E400, lst Year) Accounts Receivable Due from Other Funds Due fromDue Other Funds Inventory, at cost Prepaid Expenses Total, Current Assets RESTRICTED ASSETS	236 237 238 239 240 IVATE WATER SU 242 243 1992 244 0.000 245 0.000 246 0.000 247 0.000 248 0.000 251 0.072 253	1993 0.042 0.000 0.000 0.000 0.000 0.033	0.043 0.000 0.000 0.000 0.000 0.035	0.045 0.000 0.000 0.000 0.000 0.036	0.057 0.000 0.000 0.000 0.000 0.045	
CURRENT ASSETS Cash (E400, 1st Year) Accounts Receivable Due From Other Funds Due fromDue Other Funds Inventory, at cost Prepaid Expenses Total, Current Assets	236 237 238 239 240 IVATE WATER SU 242 243 1992 244 0.000 245 0.000 246 0.000 247 0.000 248 0.032 250 251 0.072 252 253 254 0.000	1993 0.042 0.000 0.000 0.000 0.000 0.033	0.043 0.000 0.000 0.000 0.000 0.035	0.045 0.000 0.000 0.000 0.000 0.036	0.057 0.000 0.000 0.000 0.000 0.045 0.102 Surmed	
CURRENT ASSETS Cash (E400, lst Year) Accounts Receivable Due From Other Funds Due fromDue Other Funds Inventory, at cost Prepaid Expenses Total, Current Assets RESTRICTED ASSETS Investments ARContributed Capital	236 237 238 239 240 IVATE WATER SU 242 243 1992 244 0.000 245 0.000 247 0.000 248 0.000 251 0.072 252 253 254 0.000 255 0.000	1993 0.042 0.000 0.000 0.000 0.000 0.033 0.075	0.043 0.000 0.000 0.000 0.000 0.035	0.045 0.000 0.000 0.000 0.000 0.036 0.081	0.057 0.000 0.000 0.000 0.000 0.045	
CURRENT ASSETS Cash (E400, 1st Year) Accounts Receivable Due From Other Funds Due fromDue Other Funds Inventory, at cost Prepaid Expenses Total, Current Assets RESTRICTED ASSETS Investments	236 237 238 239 240 241 242 243 244 245 246 247 246 248 2000 247 252 250 251 252 253 254 255 0.000 257 0.072	1993 0.042 0.000 0.000 0.000 0.000 0.033 0.075	0.043 0.000 0.000 0.000 0.000 0.035	0.045 0.000 0.000 0.000 0.000 0.036	0.057 0.000 0.000 0.000 0.000 0.045 0.102 Surmed	
CURRENT ASSETS Cash (E400, lst Year) Accounts Receivable Due from Other Funds Due fromDue Other Funds Inventory, at cost Prepaid Expenses Total, Current Assets RESTRICTED ASSETS Investments ARContributed Capital Total, Restricted Assets	236 237 238 239 240 IVATE WATER SU 242 243 1992 244 0.000 245 0.000 247 0.000 248 0.000 251 0.072 252 253 254 0.000 255 0.000 255 0.000 257 0.000 258 258	1993 0.042 0.000 0.000 0.000 0.000 0.033 0.075	0.043 0.000 0.000 0.000 0.000 0.035	0.045 0.000 0.000 0.000 0.000 0.036 0.081	0.057 0.000 0.000 0.000 0.000 0.045 0.102 Summed	
CURRENT ASSETS Cash (E400, 1st Year) Accounts Receivable Due From Other Funds Due fromDue Other Funds Inventory, at cost Prepaid Expenses Total, Current Assets RESTRICTED ASSETS Investments ARContributed Capital Total, Restricted Assets FIXED ASSETS	236 237 238 239 240 241 242 243 244 245 246 245 246 247 248 200 247 248 200 251 252 253 254 255 256 257 258 259 260 0.825	1993 0.042 0.000 0.000 0.000 0.000 0.033 0.075	0.043 0.000 0.000 0.000 0.000 0.035 0.078 0.000 0.000	0.045 0.000 0.000 0.000 0.000 0.036 0.091	0.057 0.000 0.000 0.000 0.000 0.045 0.102 Surmed 0.000 0.000 0.000 0.000	
CURRENT ASSETS Cash (E400, lst Year) Accounts Receivable Due from Other Funds Due fromDue Other Funds Inventory, at cost Prepaid Expenses Total, Current Assets RESTRICTED ASSETS Investments ARContributed Capital Total, Restricted Assets	236 237 238 239 240 IVATE WATER SU 242 243 1992 244 0.040 245 0.000 246 0.000 247 0.000 248 0.000 251 0.072 252 253 254 0.000 255 255 256 257 0.000 258 259 260 0.825 261 0.000	1993 0.042 0.000 0.000 0.000 0.000 0.033 0.075	0.043 0.000 0.000 0.000 0.000 0.035 0.078 0.000 0.000	0.045 0.000 0.000 0.000 0.000 0.036 0.081 0.000 0.000	0.057 0.000 0.000 0.000 0.000 0.045 0.102 Summed	
CURRENT ASSETS Cash (E400, 1st Year) Accounts Receivable Due From Other Funds Due fromDue Other Funds Inventory, at cost Frepaid Expenses Total, Current Assets RESTRICTED ASSETS Investments ARContributed Capital Total, Restricted Assets FIXED ASSETS PAE Less Depreciation	236 237 238 239 240 241 242 243 244 245 246 246 246 250 251 250 251 252 253 254 255 255 256 257 258 259 260 0.825 261 0.000 263 0.000 263 0.000 263 0.000 263 0.000 263 0.000 263 0.000 263 0.000 263 0.000	1993 0.042 0.000 0.000 0.000 0.000 0.033 0.075 0.000 0.000	0.043 0.000 0.000 0.000 0.000 0.035 0.078 0.000 0.000	0.045 0.000 0.000 0.000 0.000 0.036 0.081 0.000 0.000	0.057 0.000 0.000 0.000 0.000 0.045 0.102 Summed	
CURRENT ASSETS Cash (E400, 1st Year) Accounts Receivable Due From Other Funds Due from Other Funds Inventory, at cost Frepaid Expenses Total, Current Assets RESTRICTED ASSETS Investments ARContributed Capital Total, Restricted Assets FIRED ASSETS PAE Less Depreciation Land Construction In Progress	236 237 238 239 239 242 243 242 243 244 245 246 246 246 247 268 250 251 252 253 254 255 256 257 258 259 260 261 0.000 262 0.000 262 0.000 263 0.000 263	1993 0.042 0.000 0.000 0.000 0.000 0.003 0.075 0.000 0.000 0.000 0.000 0.000	0.043 0.000 0.000 0.000 0.035 0.078 0.000 0.000	0.045 0.000 0.000 0.000 0.000 0.036 0.081 0.000 0.000	0.057 0.000 0.000 0.000 0.000 0.045 0.102 Summed 0.000 0.000 0.000 0.000 0.000 0.000	
CURRENT ASSETS Cash (E400, lst Year) Accounts Receivable Due from Other Funds Due fromDue Other Funds Inventory, at cost Prepaid Expenses Total, Current Assets RESTRICTED ASSETS Investments ARContributed Capital Total, Restricted Assets FIXED ASSETS P4E Less Depreciation Land	236 237 238 239 240 241 242 243 244 245 246 247 248 250 250 251 252 253 254 255 256 257 258 259 260 261 0.000 263 0.000 263 0.000 263 0.000 263 0.000 263 0.000 263 0.000 264	1993 0.042 0.000 0.000 0.000 0.000 0.033 0.075 0.000 0.000 0.000 0.000 0.000 0.000	0.043 0.000 0.000 0.000 0.035 0.078 0.000 0.000 0.000	0.045 0.000 0.000 0.000 0.000 0.036 0.001 0.000 0.000 0.000 0.000 0.000	0.057 0.000 0.000 0.000 0.000 0.045 0.102 Surmed 0.000 0.000 0.000 0.000 0.000 0.000	
CURRENT ASSETS Cash (E400, 1st Year) Accounts Receivable Due From Other Funds Due fromDue Other Funds Inventory, at cost Prepaid Expenses Total, Current Assets RESTRICTED ASSETS Investments AR==Contributed Capital Total, Restricted Assets FIXED ASSETS PAE Less Depreciation Land Construction In Progress Total, Fixed Assets Other Assets	236 237 238 239 239 242 243 244 245 246 246 246 247 260 248 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 2664 267 267	1993 0.042 0.000 0.000 0.000 0.000 0.003 0.075 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.043 0.000 0.000 0.000 0.035 0.078 0.000 0.000	0.045 0.000 0.000 0.000 0.000 0.036 0.081 0.000 0.000	0.057 0.000 0.000 0.000 0.000 0.045 0.102 Surmed 0.000 0.000 0.000 0.000 0.753 0.000 0.000 0.000	
CURRENT ASSETS Cash (E400, 1st Year) Accounts Receivable Due From Other Funds Due fromDue Other Funds Inventory, at cost Prepaid Expenses Total, Current Assets RESTRICTED ASSETS Investments ARContributed Capital Total, Restricted Assets FIXED ASSETS P4E Less Depreciation Land Construction In Progress Total, Fixed Assets	236 237 238 239 240 241 242 243 244 245 246 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 0.000 263 263 264 265 266 0.103 264 265 266 0.103	1993 0.042 0.000 0.000 0.000 0.000 0.003 0.075 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.043 0.000 0.000 0.000 0.000 0.035 0.078 0.000 0.000 0.000	0.045 0.000 0.000 0.000 0.000 0.036 0.081 0.000 0.000 0.000 0.000	0.057 0.000 0.000 0.000 0.000 0.045 0.102 Summed 0.000 0.000 0.000 0.000 0.000 0.000 0.753 0.000 0.000 0.145	
CURRENT ASSETS Cash (E400, 1st Year) Accounts Receivable Due From Other Funds Due fromDue Other Funds Inventory, at cost Prepaid Expenses Total, Current Assets RESTRICTED ASSETS Investments AR==Contributed Capital Total, Restricted Assets FIXED ASSETS PAE Less Depreciation Land Construction In Progress Total, Fixed Assets Other Assets	236 237 238 239 239 242 243 244 245 246 246 246 247 260 248 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 2664 267 267	1993 0.042 0.000 0.000 0.000 0.000 0.003 0.075 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.043 0.000 0.000 0.000 0.035 0.078 0.000 0.000 0.000 0.000	0.045 0.000 0.000 0.000 0.000 0.036 0.081 0.000 0.000 0.000 0.000 0.000	0.057 0.000 0.000 0.000 0.000 0.045 0.102 Summed 0.000 0.000 0.000 0.000 0.753 0.000 0.000 0.753 Summed	
CURRENT ASSETS Cash (E400, 1st Year) Accounts Receivable Due From Other Funds Due fromDue Other Funds Inventory, at cost Prepaid Expenses Total, Current Assets RESTRICTED ASSETS Investments ARContributed Capital Total, Restricted Assets FIXED ASSETS P4E Less Depreciation Land Construction In Progress Total, Fixed Assets Other Assets LIABILITIES AND EQUITY	236 237 238 239 240 241 242 243 244 245 246 245 240 247 248 200 247 248 200 251 252 253 254 255 256 266 261 0.000 263 261 0.000 263 261 0.000 263 264 265 266 266 267 268 269 271	1993 0.042 0.000 0.000 0.000 0.000 0.003 0.075 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.043 0.000 0.000 0.000 0.035 0.078 0.000 0.000 0.000 0.000	0.045 0.000 0.000 0.000 0.000 0.036 0.081 0.000 0.000 0.000 0.000 0.000	0.057 0.000 0.000 0.000 0.000 0.045 0.102 Summed 0.000 0.000 0.000 0.000 0.000 0.000 0.753 0.000 0.000 0.145	
CURRENT ASSETS Cash (E400, 1st Year) Accounts Receivable Due From Other Funds Due from Other Funds Inventory, at cost Prepaid Expenses Total, Current Assets RESTRICTED ASSETS Investments ARContributed Capital Total, Restricted Assets FIXED ASSETS PAE Less Depreciation Land Construction In Progress Total, Fixed Assets Other Assets LIABILITIES AND EQUITY CURRENT LIABILITIES	236 237 238 239 240 242 243 1992 244 0.040 245 0.000 247 0.000 247 0.000 248 0.032 250 251 0.072 252 253 254 0.000 255 0.000 267 0.000 267 0.000 263 0.000 264 0.000 263 0.000 264 0.000 265 0.000	1993 0.042 0.000 0.000 0.000 0.000 0.000 0.003 0.075 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.043 0.000 0.000 0.000 0.000 0.035 0.078 0.000 0.000 0.000 0.000 0.000 0.000	0.045 0.000 0.000 0.000 0.000 0.0036 0.081 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.116	0.057 0.000 0.000 0.000 0.000 0.005 0.102 Summed 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.145 1.000 Summed +N251+N25	
CURRENT ASSETS Cash (E400, 1st Year) Accounts Receivable Due From Other Funds Due fromDue Other Funds Inventory, at cost Prepaid Expenses Total, Current Assets RESTRICTED ASSETS Investments ARContributed Capital Total, Restricted Assets FIXED ASSETS P4E Less Depreciation Land Construction In Progress Total, Fixed Assets Other Assets LIABILITIES AND EQUITY	236 237 238 239 240 241 242 243 244 245 246 245 240 247 248 200 247 248 200 251 252 253 254 255 256 266 261 0.000 263 261 0.000 263 261 0.000 263 264 265 266 266 267 268 269 271	1993 0.042 0.000 0.000 0.000 0.000 0.0033 0.075 0.000 0.000 0.000 0.000 0.818 0.000 0.000 0.000 0.816 0.107	0.043 0.000 0.000 0.000 0.000 0.035 0.078 0.000 0.000 0.000 0.000 0.000 0.000	0.045 0.000 0.000 0.000 0.000 0.036 0.091 0.000 0.000 0.000 0.000 0.000 0.000	0.057 0.000 0.000 0.000 0.000 0.045 0.102 Surmed 0.000 0.000 0.000 0.000 0.000 0.000 0.753 0.000 0.000 0.145 1.000 Surmed +M251+M25	
CURRENT ASSETS Cash (E400, 1st Year) Accounts Receivable Due From Other Funds Due from Other Funds Inventory, at cost Prepaid Expenses Total, Current Assets RESTRICTED ASSETS Investments ARContributed Capital Total, Restricted Assets FIXED ASSETS PAE Less Depreciation Land Construction In Progress Total, Fixed Assets Other Assets LIABILITIES AND EQUITY CURRENT LIABILITIES Accounts Payable Accrused Expenses Short Term Debt	236 237 238 239 240 242 243 244 245 246 246 246 248 250 251 251 252 253 254 255 255 256 257 260 261 262 263 264 265 267 268 267 268 267 268 269 270 271 272 273 0.000 275 0.000	1993 0.042 0.000 0.000 0.000 0.000 0.000 0.003 0.075 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.043 0.000 0.000 0.000 0.000 0.035 0.078 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.045 0.000 0.000 0.000 0.000 0.0036 0.081 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.116	0.057 0.000 0.000 0.000 0.000 0.005 0.102 Summed 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.145 1.000 Summed +N251+N25	
CURRENT ASSETS Cash (E400, 1st Year) Accounts Receivable Due From Other Funds Due fromDue Other Funds Inventory, at cost Prepaid Expenses Total, Current Assets RESTRICTED ASSETS Investments ARContributed Capital Total, Restricted Assets FIXED ASSETS PAE Less Depreciation Land Construction In Progress Total, Fixed Assets Other Assets LIBRILITIES AND EQUITY CURRENT LIBRITIES Accounts Payable Accrued Expenses Short Term Debt Current Part, LT Debt	236 237 238 239 240 241 242 243 244 245 246 246 247 248 250 251 252 253 254 255 256 257 258 259 260 261 200 263 260 263 264 265 266 267 268 269 271 272 273 274 275 276 276 276 276 276 276 276 276 276 276	1993 0.042 0.000 0.000 0.000 0.000 0.000 0.0033 0.075 0.000	0.043 0.000 0.000 0.000 0.000 0.005 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.045 0.000 0.000 0.000 0.000 0.036 0.001 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.057 0.000 0.000 0.000 0.000 0.000 0.045 0.102 Summed 0.000 0.000 0.000 0.000 0.753 0.000 0.000 0.000 0.45 1.000 Summed +M251+M25	
CURRENT ASSETS Cash (E400, 1st Year) Accounts Receivable Due From Other Funds Due from Other Funds Inventory, at cost Prepaid Expenses Total, Current Assets RESTRICTED ASSETS Investments ARContributed Capital Total, Restricted Assets FIXED ASSETS PAE Less Depreciation Land Construction In Progress Total, Fixed Assets Other Assets LIABILITIES AND EQUITY CURRENT LIABILITIES Accounts Payable Accrused Expenses Short Term Debt	236 237 238 239 240 241 242 243 244 245 246 246 246 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 276 276 277 268 277 277 277 277 277 277 277 277 277 27	1993 0.042 0.000 0.000 0.000 0.000 0.000 0.0033 0.075 0.000	0.043 0.000	0.045 0.000	0.057 0.000 0.000 0.000 0.000 0.000 0.045 0.102 Surmed 0.000 0.000 0.000 0.000 0.000 0.753 0.000 0.000 0.145 1.000 Surmed +K251+K25	
CURRENT ASSETS Cash (E400, 1st Year) Accounts Receivable Due From Other Funds Due from Other Funds Inventory, at cost Prepaid Expenses Total, Current Assets RESTRICTED ASSETS Investments ARContributed Capital Total, Restricted Assets FIXED ASSETS FAE Less Depreciation Land Construction In Progress Total, Fixed Assets Other Assets LIABILITIES AND EQUITY CURRENT LIABITIES Accounts Payable Accounts Payable Accounts Payable Accounts Payable Current Part, LT Debt Due to Other Funds	236 237 238 239 240 241 242 243 244 245 246 246 246 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 276 276 277 268 277 277 277 277 277 277 277 277 277 27	1993 0.042 0.000 0.000 0.000 0.000 0.000 0.0033 0.075 0.000	0.043 0.000 0.000 0.000 0.000 0.005 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.045 0.000 0.000 0.000 0.000 0.036 0.001 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.057 0.000 0.000 0.000 0.000 0.000 0.045 0.102 Summed 0.000 0.000 0.000 0.000 0.753 0.000 0.000 0.000 0.45 1.000 Summed +M251+M25	

Total Curr. Liabilities	280	3.10	0.09	0.09	0.08	0.11	
PAYABLE FROM RESTRICTED ASSETS Contracts Payable	282	2.00	0.00	0.00	0.00	0.00	1
Deposits	283	3.00	0.00	0.00	0.00	0.00	
Total, Payable from R.A.	284 285	2.00	2.00	0.00	0.00	0.00	
	286						
ADVANCES FROM OTHER FUNDS	287	2.00	0.00	0.00	0.00	0.00	
LONG TERM LIABILITIES	289						
Intermediate-Term Debt Long-Term Debt	290	3.24 3.31	0.23 0.31	0.23 0.31	0.23 0.30	0.22 0.29	
EQUITY Preferred Stock	292						
Common Stock	293	3.02 3.32	0. 02 0.32	0.02 0.32	0. 02 0.32	0.02 0.30	
Contributed Capital	295	0.00	0.00	0.00	0.00	0.00	
Retained Earnings	296	0.01	0.02	0.03	0.05	0.08	
Total Equity	298 299	2.35	0.36	0.37	0.38	0.39 8	Summed
Total Liabilities & Equity	300	1.0	1.0	1.0	1.0	1.0 5	Summed
RATIO ANALYSIS, PRIVATE WATER	301						
	303	1992	1993	1994	1995	2001	
LIQUIDITY Acid Test	304	2.426	0.4	0.5	0.6		
Quick	306	3.408	0.4	0.5	0.6	0.5 0.5	
Current AR/Op Inc	307	3.734 3.0	0.8 0.0	0.9 0.0	1.0	0.9	
	309	7. u	v. u	0.0	0.0		Cash/Inve
ACTIVITY	310						
Accounts Receivable TO	312 313	17385.3	18254.6	19167.3	20125.6	26970.3	
Inventory Turnover	314	2.0 nas	ე.0 rama	9.0 mma	0.0	0.0	
Asset Turnover	315 316	3.258 3.872	0.3	0.3	0.3	0.4	
COVERAGE AND LEVERAGE	317	:.8/2					
Interest Coverage Interest + Dividends	318	1.745	0.7 0.6	0.8 0.6	0.9	1.6	
Fixed Finance Payments	320	1.272	0.6	0.6	0.7	1.1	No curren
I,LT Debt/Assets Equity/Asets	321	0.55 0.35	0.5 0.4	0.5 0.4	0.5 0.4	0.5	
	323	7.33	V.•	•••	0.4		(R107+R10
PROFITABILITY Margin	324	0.113	0.5	0.5	0.5	0.5	formula
Return on Assets	326	3.029	0.0	0.0	0.0	0.1	
Return on Equity Cash Flow on Assets	327 328	0.083 0.103	0.1 0.1	0.1 0.1	0.1 0.1	0.2 0.1	
GROWTH (Percent)	329						λesets >
Revenue	331	0.050	0.050	0.050	0.050	0.050	
Cash Flow Earnings	332	24	na na	De.	DA DA	na na	
Dividends	334	ne.	D.C.	na	DA	D&	
	335 336	Note:	((154-d 54)-1)	*100			
OPERATING STATISTICS	337						
Capacity at Peak	339						
SEMBITIVITY ANALYSIS RATES (340						
,		RTED AVERAGE					
	WEIG:						
Rates (Weighted Average) Usage	342 343	2.2	2.2 9202644	2.2 8202544	2.2 8703644	2.2 8202644	
	342 343 344 345	2.2 8202644 44230	2.2 8202644 44230	2.2 8202644 44230	2.2 8202644 44230	2.2 8202644 44230	
Usage	WEIG: 342 343 344 345 346 347	2.2 9202544 44230 17385				8202644 44230	Dollars 1
Usage Customers Revenues	WEIG: 342 343 344 345 346 347 348	2.2 8202644 44230 17385	8202644 44230 18255	8202644 44230 19167	8202644 44230 20126	8202644 44230 26970	
Usage Customers Revenues Personnel Costs Other Variable Expenses	WEIG: 342 343 344 345 345 347 348 349 350	2.2 8202644 44230 17385	8202644 44230 18255 0 8890	8202644 44230 19167 0 9334	8202646 44230 20126 0 9801	8202644 44230 26970	Dollars i
Usage Customers Revenues Personnel Costs Other Variable Expenses Depreciat'n & Amortizat'n	WEIG: 342 343 344 345 345 347 348 349 350	2.2 8202644 44230 17385 0 8467	9202644 64230 19255 0 9890 1304	9202644 44230 19167 0 9334 1304	0 0 9801 1304	8202644 44230 26970 0 13135 1304	
Usage Customers Revenues Personnel Costs Other Variable Expenses Depreciat'n & Amortizat'n Other Fixed Expenses	WEIG: 342 343 344 345 346 347 349 350 351 352 353	2.2 8202644 44230 17385 0 8467 1304 1954	8202644 44230 18255 0 8890 1304 1954	9202644 44230 19167 0 9334 1304	8202644 44230 20126 0 9801 1304	8202644 44230 26970 0 13135 1304 3031	
Usage Customers Revenues Personnel Costs Other Variable Expenses Depreciat'n & Amortizat'n Other Fixed Expenses Total Assets Plant and Equipment	WEIG: 342 343 344 345 346 347 348 350 351 352	2.2 8202644 44230 17385 0 8467 1304 1954	9202644 64230 19255 0 9890 1304	9202644 44230 19167 0 9334 1304	0 0 9801 1304	8202644 44230 26970 0 13135 1304 3031 73756	
Usage Customers Revenues Personnel Costs Other Variable Expenses Depreciat'n & Amortizat'n Other Fixed Expenses Total Assets Plant and Equipment (Operating)	WEIG: 342 343 346 345 346 347 349 350 351 352 353 354 355	2.2 8202644 44230 17385 0 8467 1304 1954 67311 55531	8202644 44230 18255 0 8890 1304 1954 67867 55531	9202644 44230 19167 0 9334 1304 1954 68484 55531	8202644 44230 20126 0 9801 1304 1956 69131 55531	8202644 44230 26970 0 13135 1304 3031 73756 55531	
Usage Customers Revenues Personnel Costs Other Variable Expenses Depreciat'n & Amortizat'n Other Fixed Expenses Total Assets Plant and Equipment	WEIG 342 343 344 345 346 347 350 351 352 353 354 355 357 358	2.2 8202644 44230 17385 0 8467 1304 1954 67311 55531	8202644 44230 18255 0 8890 1304 1954	9202644 44230 19167 0 9334 1304 1954	8202646 44230 20126 0 9801 1304 1956	8202644 44230 26970 0 13135 1304 3031 73756	
Usage Customers Revenues Personnel Costs Other Variable Expenses Depreciat'n & Amortizat'n Other Fixed Expenses Total Assets Plant and Equipment (Operating) Debt (IT and LT)	WEIG: 342 343 346 345 346 347 349 350 351 352 353 353 356 357	2.2 8202644 44230 17385 0 8467 1304 1954 67311 55531 36954 23718	8202644 44230 18255 0 8890 1304 1954 67867 55531	9202644 44230 19167 0 9334 1304 1954 68484 55531	8202646 44230 20126 0 9801 1304 1956 69131 55531	8202644 44230 26970 0 13135 1304 3031 73756 55531	
Usage Customers Revenues Personnel Costs Other Variable Expenses Depreciat'n & Amortizat'n Other Fixed Expenses Total Assets Plant and Equipment (Operating) Debt (IT and LT)	WEIG: 342 343 844 845 847 849 850 351 852 853 854 855 856 357 858 860 7TE	2.2 8202644 44230 17385 0 8467 1304 1954 67311 55531 36954 23718	8202644 44230 18255 0 8890 1304 1954 67867 55531 36954 24510	9202644 44230 19167 0 9334 1304 1954 68484 55531 36954 25469	8202644 44230 20126 9801 1304 1954 69131 55531	8202644 44230 26970 0 13135 1304 3031 73756 55531 36954 28619	not avail
Usage Customers Revenues Personnel Costs Other Variable Expenses Depreciat'n 4 Amortizat'n Other Fixed Expenses Total Assets Plant and Equipment (Operating) Debt (IT and LT) Equity (Equivalent)	WEIG: 342 343 345 345 347 348 349 351 352 353 354 355 357 358 359 360 278	2.2 8202644 44230 17385 0 8467 1304 1954 67311 55531 36954 23718	8202644 44230 18255 0 8890 1304 1954 67867 55531 36954 24510	9202644 44230 19167 0 9334 1304 1954 68484 55531	8202646 44230 20126 0 9801 1304 1956 69131 55531	8202644 44330 26970 0 13135 1304 3031 73756 55531 36954 28619	not avail
Usage Customers Revenues Personnel Costs Other Variable Expenses Depreciat'n & Amortizat'n Other Fixed Expenses Total Assets Plant and Equipment (Operating) Debt (IT and LT) Equity (Equivalent) STATEMENT OF CASH FLOWS, PRIV CASH FLOWS FROM OPERATING ACT Received from Customers	WEIGH 342344 3445 3466 3467 3468 350 351 352 353 353 355 356 357 358 360 360 360 360 360 360 360 360 360 360	2.2 8202644 44230 17385 0 8467 1304 1954 67311 55531 36954 23718 WATER SUPPLY, MEDI 1992 1893	820244 44230 18255 0 8890 1304 1954 67867 55531 36954 24510	9202644 44230 19167 0 9334 1304 1954 68484 55531 36954 25469	8202646 44230 20126 9801 1304 1954 69131 55531 36954 26606	8202644 44330 26970 0 13135 1304 3031 73756 55531 36954 28619	not avail REFERENC, Page
Usage Customers Revenues Personnel Costs Other Variable Expenses Depreciat'n & Amortizat'n Other Fixed Expenses Total Assets Plant and Equipment (Operating) Debt (IT and LT) Equity (Equivalent) STATEMENT OF CASH FLOWS. PRIV CASH FLOWS FROM OPERATING ACT	WEIGH 342 343 344 345 346 346 346 350 351 353 353 354 353 354 355 356 357 358 358 358 358 358 358 358 358 358 358	2.2 8202646 44230 17385 0 8467 1304 1956 67311 55531 36954 23718	8202644 44230 19255 0 8390 1304 1954 67867 55531 36954 24510	9202644 44230 19167 0 9334 1304 1954 68484 55531 36954 25469	8202646 44230 20126 0 9801 1304 1954 69131 55531 36954 26606	8202644 44230 26970 0 13135 1304 3031 73756 55531 36954 28619	not avail REFERENC, Page
Usage Customers Revenues Personnel Costs Other Variable Expenses Depreciat'n & Amortizat'n Other Fixed Expenses Total Assets Plant and Equipment (Operating) Debt (IT and LT) Equity (Equivalent) STATEMENT OF CASH FLOWS, PRIV CASH FLOWS FROM OPERATING ACT Received from Customers Payments	WEIG: 342 343 344 345 346 349 350 352 353 354 357 356 357 356 362 365 366 366 366 366 366 366 366 366 366	2.2 8202644 44230 17385 0 8467 1304 1954 67311 55531 36954 23718 WATER SUPPLY, MED: 1992 17385.3 -11724.6 1303.9 6964.5	8202644 44230 19255 0 8890 1304 1954 67867 55531 36954 24510 2004, WEST (Do:	9202644 44230 19167 0 9334 1304 1954 68484 55531 36954 25469 119167.3 -12592.5	8202646 44230 20126 0 9801 1304 1956 69131 55531 36954 26606	8202644 44430 26970 0 13135 1306 3031 73756 55531 36954 28619 2001 26970.3 -17469.9 1303.9 10804.3	REFERENC, Page -M93
Usage Customers Revenues Personnel Costs Other Variable Expenses Depreciat'n 4 Amortizat'n Other Fixed Expenses Total Assets Plant and Equipment (Operating) Debt (IT and LT) Equity (Equivalent) STATEMENT OF CASE FLOWS, PRIV CASE FLOWS FROM OPERATING ACT Received from Customers Payments Add Back Depreciation Net Operating Cash Flow Change, CA, less cash	WEIGHT 3443 3443 3445 3446 3449 3445 3446 3449 3551 3552 3553 3556 3578 3599 3466 3467 3466 3467 3463 3467 3467	2.2 8202644 44230 17385 0 8467 1304 1954 67311 55531 36954 23718 WATER SUPPLY, MEDI 1992 17385.3 -11724.6 1303.9 6964.5	8202644 44230 18255 0 8890 1304 1954 67867 55531 36954 24510 COM, WEST (Do: 1993 18254.6 -12148.0 1303.9 7410.5	9202644 44230 19167 0 9334 1304 1954 68484 55531 36954 25469 1107 3 -12592.5 1303.9 7878.7	8202646 44230 20126 0 9801 1306 1954 69131 55531 36954 25606	8202644 44230 26970 0 13135 1306 3031 73756 55531 36954 28619 2001 26970.3 -17469.9 1303.9 10804.3	REFERENC, Page Summed -H93
Usage Customers Revenues Personnel Costs Other Variable Expenses Depreciat'n & Amortizat'n Other Fixed Expenses Total Assets Plant and Equipment (Operating) Debt (IT and LT) Equity (Equivalent) STATEMENT OF CASH FLOWS, PRIV CASH FLOWS FROM OPERATING ACT Received from Customers Payments Add Back Depreciation Net Operating Cash Flow Change, CA, less cash Change Current Liabilities	WEIGH 3442 3445 3445 3447 3449 3543 3543 3553 3573 3583 3583 3583 3583 3583 358	2.2 8202644 44230 17385 0 8467 1304 1954 67311 55531 36954 23718 WATER SUPPLY, MEDI 1992 188 17385.3 -11724.6 1303.9 6964.5	8202644 44230 18255 0 8890 1304 1954 67867 55531 36954 24510 COM, WEST (Do: 1993 18254.6 -12148.0 1303.9 7410.5 76.5 -234.9	9202644 44230 19167 0 9334 1304 1954 68484 55531 36954 25469 11ars in Thousands) 1994 19167.3 -12592.5 1303.9 7878.7	8202646 44230 20126 0 9801 1304 1956 69131 55531 36954 26606 1995 20125.6 -13059.2 1303.9 9370.3	8202644 44230 26970 0 13135 1304 3031 73756 55531 36954 28619 2001 26970.3 -17469.9 1303.9 10804.3	REFERENC, Page - H93
Usage Customers Revenues Personnel Costs Other Variable Expenses Depreciat'n 4 Amortizat'n Other Fixed Expenses Total Assets Plant and Equipment (Operating) Debt (IT and LT) Equity (Equivalent) STATEMENT OF CASE FLOWS, PRIV CASE FLOWS FROM OPERATING ACT Received from Customers Payments Add Back Depreciation Net Operating Cash Flow Change, CA, less cash	WEIG 342 3445 3445 347 349 350 351 353 354 356 356 356 356 360 360 360 360 360 360 360 360 360 36	2.2 8202644 44230 17385 0 8467 1304 1956 67311 55531 36954 23718 WATER SUPPLY, MEDI 1992 188 17385.3 -11724.6 1303.9 6964.5 0.0 0.0	8202644 44230 18255 0 8890 1304 1954 67867 55531 36954 24510 COM, WEST (Do: 1993 18254.6 -12148.0 1303.9 7410.5	9202644 44230 19167 0 9334 1304 1954 68484 55531 36954 25469 1107 3 -12592.5 1303.9 7878.7	8202646 44230 20126 0 9801 1306 1954 69131 55531 36954 25606	8202644 44230 26970 0 13135 1304 3031 73756 55531 36954 28619 2001 26970.3 -17469.9 1303.9 10806.3 945.6 -655.8	REFERENC, Page - H93

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```
CASH FLOWS FROM NON-CAPITAL FIRANCING ACTIVITIES
   Advances to Other Funds
Repayment to Other Funds
                                      375
                                                 3.0
                                                                       9.0
                                                                                              0.0
                                      376
                                                                       0.0
                                                                                              0.0
                                                                                                                     0.0
                                      377
     Total, C.F. From Non-Cap 378
                                                  2.0
                                                                       0.0
                                                                                              0.0
                                                                                                                     0.0
                                                                                                                                            0.0 +H375+H37
                                      379
CASE FLOWS FROM CAPITAL ACCOUNTS
   Change in Fixed Assets
Change in Other Assets
                                      361
                                                 0.0
                                                                       2.0
                                                                                                                     0.0
                                                                                                                                        0.0 Assume c
2719.0 for expan
                                             3.0
                                      382
                                                                     345.3
                                                                                            362.6
                                                                                                                  380.7
   Capital Grants
Retirement, LT Debt
                                                                    0.0
                                                                                                                                            0.0 minor add
                                                                                              0.0
                                                                                                                     0.0
                                                                                                                                            0.0
                                      385
                                                 1.0
                                                                       3.0
                                                                                                                     0.0
   Interest on LT Debt
                                            -3695.4
                                                                                         -3695.4
                                                                                                                -3695.4
                                                                                                                                       -3695.4 +H102
                                      387
                                             -471.7
                                                                                           -691.1
                                                                                                                                       -1393.2 e110*.04
0.0 Ave RE, 6
1303.9 +H85+M86
-1065.7 Summed
                                                                                                                 -809.1
   Contributed Capital
                                      388
                                                 0.0
                                                                      0.0
                                                                                             0.0
   Depreciation, Amortization 389
Total, C.F. From Cap Accts390
                                                                    1303.9
                                              1303.9
                                                                                                                 1303.9
                                                                   -2624.8
                                                                                         -2720.0
                                      391
CASE FLOWS FROM INVESTMENTS
                                      392
   Investment Interest
                                      393
                                                                       0.0
                                                                                              0.0
                                                                                                                     0.0
                                               0.0
   Net purchase Securities
                                                                      0.0
                                      394
                                                                                                                     0.0
                                                                                                                                            0.0
   NET CASE FLOW
                                      396
                                            3315.3
                                                                    3662.8
                                                                                          3776.6
                                                                                                                 3831.2
                                                                                                                                        8121.4 +H372+H37
CASE, BEGINNING OF YEAR
                                            2557.8
                                      398
                                                                    2692.4
                                                                                          2827.0
                                                                                                                 2968.4
                                                                                                                                        3977.9
CASH, Avail. for Withdrawal CASH, EOY Includes Line 399
                                      399
                                                                    121.2
                                                                                            127.2
                                                                                                                 133.6
3116.8
                                            2692.4
                                      400
                                      402
                                                                                                                Bewond
                                                                                                     3-10 10
35393 -43867.1
79260 150981
-43867 -20404
PAYBACK
                                      403
                                            0 1 2 3
-67311 57311 59828
-7482 7937
                                                                                                     5-10
   Investment
                                                                                         43728
                                      404
                                                                               51891
   Cash Flow to Capital Remaining Investment
                                                                                 8163
                                                                                             3336
                                                         59828
                                      406
                                      407
INTERNAL RATE OF RETURN
                                      408 Assume perpetuity after year ten.
409 -67311 7482 7937 81
410 0.318
  Cash Plow
                                                                                 8163
                                                                                             8336
                                                                                                       79260
                                      411
NET PRESENT VALUE
                              0.082 412 Assume perpetuity after year ten.
413 -67311 7482 7937 81
  Cash Flow
Net Present Value
                                                                                 8163
                                                                                             8336
                                                                                                       79260
                                                                                                               160981
                                      414 104089.1
                                      415
UNIFORM ANNUAL EQUIVALENT COST
   Costd/PVIFA, coc, infin per
                                             5523.5
                                      418
                                      420
WEIGHTED COST OF CAPTIAL:
                                      422
                  BTC ATC 424
0.1 0.060 425
0.1 0.060 426
0.090 427
                                               Mkt
                                                       Proper-
                                             Value
                                                                    Cost
                                            15885
21068.2
1279
      k dit
k dit
                                                                     0.015
                                                                     0.020
                                                            0.3
      k ps
k •
                              0.116 428
                                              23718
                                                            0.4
                                                                     3.044
                                              51951
                                                            1.0
                                                                     2 082
                                      430
k = D/P + g = .04 + .05 =
    Constant growth assumption.
k . . RFR + b(R m - RFR) = .06434
                                                                    0 116
                                      436
PROJECT SUMMARY: PRIVATE WATER SUPPY, MEDIUM, WEST-base case 438
Annual revenues for the first and tenth years are:
Annual cash expenses for the first and tenth years are:
                                                                                         17385.3
                                                                                                                26970.3
                                                                                                                                       ++71
                                                                                         14902.2
                                                                                                                22183.4
                                                                                                                                      +R93-R85-R86-R105+
                                     441
                                                                                                                                      -M93-H85-H86-H105+
Payback would occur in year:
Internal rate of return on this project is:
Net present value of this project is:
445
                                                                     0.318 (Probably a minus .003, but near zero)
                                                                                                                                       +R410
                                                                   104089
                                                                                                                                       +E414
Project cash flow would have to equal
                                                           5523 each year to cover costs
                                                                                                                                       +8417
and provide for the market required return on equity. (Nearly double current CF).

(Dollars in thousands)
             (Assuming an infinite project life)
450
Ratio Analysis:
                                      451
  Liquidity position is
                                      453
  Asset turnover is
                                      455
  Profitability is
                                      457
  Growth rate is
                              0.050
  Excess capacity at peak load is (not available).
Assume depreciation is reinvested in assets.
```

465

In year 2

17

```
467
ADJUSTED BALANCE SHEET LINES 124 THROUGH 150 FOR FIRST YEAR
                                471
                                      1992
                                472
CURRENT ASSETS
                                473
  Cash (See line 124)
Accounts Receivable
Due From Other Funds
                                      2692.4
                                474
                                475
                                476
                                          0.0
  Due from Other Governments
  Due from Utiles
Inventory, at Cost 478
0.0319 479
  Other CA
                                480
 Total, Current Assets
                                481
                                      1873.2
                                482
RESTRICTED ASSETS
  Investments
                                484
                                         0.0
  AR -- Contributed Capital
                                486
  Total. Restricted Assets
                                488
FIXED ASSETS
                                489
  Plant & Equipment
                                490
                                     55531.3
  Less Depreciation
                                491
                                        0.0
  Land
                                492
                                          3.0
  Construction In Progress
                                493
                                          0.0
                                494
  Total Pixed Assets
                                     55531.3
                                495
  Other Assets
                                496
                                       6906.2
                                497
TOTAL ASSETS, COMPUTED
                                     67310.6
Assets-liabilities, 1st year
                                499
JUN OF ASSET-BLEMENTS
                                500
                                     67310.6
                                501
                                                 LINES 503 TEROUGH 519 ARE ADJUSTMENTS ROUTINES FOR LIABILITIES
                                502
                                                  ------
  Accounts Payable
                                        0.0
                                503
                                                    2.0
                                                             0.0
                                                                       0.0
                                                                                 0.0
                                                                                           0.0
                                                                                                     2.0
                                                                                                                                  0.0
                                                                                                                        0.0
                                                                                                                      0.0
  Accrued Expenses
                                          0.0
                                                    0.0
                                                              0.0
                                                                                 0.0
                                                                       0.0
                                                                                           0.0
                                                                                                     0.0
                                                                                                               0.0
                                                                                                                                  0.0
  Short Term Debt
Current, Part, LT Debt
Due to Other Punds
                                                   0.0
                                505
                                          2.0
                                                              3.0
                                                                       0.0
                                                                                 0.0
                                                                                           0.0
                                                                                                     0.0
                                                                                                               0.0
                                                                                                                        0.0
                                                                                                                                  0.0
                                          0.0
                                                             3.0
                                                                       0.0
                                                                                 0.0
                                                                                           0.0
                                                                                                     0.0
                                                                                                               0.0
                                                                                                                        0.0
                                507
                                          0.0
                                                    0.0
                                                              0.0
                                                                       0.0
                                                                                 9.0
                                                                                                                                  0.0
  Other
                                      5990.6
                                                  548.1
                                                         6290.2
                                                                             5604.7
                                                                                        -544.0
                                                                                                 5934.9
                                                                     113.7
                                                                                                         -1363.5
                                                                                                                     9293.5
  Contracts Payable
                                                   0.0
                                                                                           0.0
                                509
                                          3.0
                                                             0.0
                                                                       0.0
                                                                                 0.0
                                                                                                                      0.0
                                                                                                                                  0.0
Deposits
ADVANCES FROM OTHER FUNDS
                                510
511
                                                             0.0
                                                                       0.0
                                                                                 0.0
                                                                                                     0.0
                                                                                                               0.0
                                                                                                                        2.0
                                                                       0.0 0.0
0.0 15885.3
                                                                                           0.0
                                          0.0
                                                    0.0
                                                              2 0
                                                                                                                                  0.0
  Intermediate-Term Debt
                                512
                                     15885.3
                                                    0.0
                                                         15885.3
                                                                                                15885.3
                                                                                                               0.0
                                                                                                                    15885.3
                                                                                                                                  0.0
  Long Term Debt
                                513
                                     21068.2
                                                    0.0
                                                         21068.2
                                                                       0.0 21068.2
                                                                                           0.0
                                                                                                21068.2
                                                                                                                    21068.2
                                                                                                                                  0.0
                                514
515
  Preferred Stock
                                                    0.0
                                                                       0.0
                                                                                           0.0
                                                                                                               0.0
                                                                                                                                  0.0
                                     21808.6
                                                    0.0
                                                         21808.6
                                                                       0.0 21808.6
                                                                                           0.0
                                                                                                21808.6
  Contributed Capital
                                516
                                                                                           0.0
                                                              0.0
                                                                       0.0
                                                                                                     0.0
                                                                                                               0.0
                                                                                                                        0.0
                                                                                                                                  2.0
  Retained Earnings
                                        630.8
                                                          1422.1
                                517
                                                    0.0
                                                                       0.0
                                                                            2382.0
                                                                                           0.0
                                                                                                 3518.8
                                                                                                                     5531.9
                                                                                                                                  0.0
                                518
Total Liabilities & Equity
                                     66662.5
                                                 648.1 67753.3
                                                                    113.7 69027.7 -544.0 70494.8 -1363.5 74866.4 -1110.5
                                519
                            ----520 --
UNADJUSTED FIRST YEAR BALANCE SHEET LINES 124 THROUGH 150 --- SEE LINES 474 THROUGH 500
                                522
CURRENT ASSETS
                                523 -
  Cash (See line 124)
                                524
                                      2692.4
  Accounts Receivable
                                525
                                         16.8
  Due From Other Funds
Due from Other Governments
                                526
527
                                          0.0
  Inventory, at Cost
                                528
                      0.0319
                                529
                                      2190.1
                                530
  Total, Current Assets
                                531
                                532
RESTRICTED ASSETS
                                533
                                534
  AR -- Contributed Capital
                                        0.0
                                536
  Total, Restricted Assets
                                          0.0
                                538
PIXED ASSETS
  Plant & Equipment
                                540
                                    55531.3
  Less Depreciation
                                          0.0
  Land
                                542
                                          0.0
  Construction In Progress
                                          0.0
                                544
  Total Fixed Assets
                                545
                                     55531.3
  Other Assets
                                546
                                      7067.6
TOTAL ASSETS, COMPUTED
                                548
                                     67310.6
Assets-liabilities, lst year
SUN OF ASSET-ELEMENTS
                                          0.0
                                     67523.1
                                550
```

In the first year, the ratio 76737/19820 is equivalent to ("Total Assets" divided by "Total Operating Revenues"). This ratio, which

466

TO QUICKLY FIRD MULTIPLIER CELLS SEE LOOK-UP TABLE AT A671. ***
CELL E600--THE PREDOMINANT MULTIPLIER

equals 3.87170 and is known as the predominant multiplier, was determined by enalysis of several types of vecer utilities. In the first year, this ratio (E600) is multiplied by "Total Operating Revenues" (E71) to produce "Computed Total Assets" (E168).

Col. R

Description of

DESCRIPTIONS OF THE OPERATIONS

```
OF MULTIPLIERS ARE IN SAME ROW
WITH THE ACTUAL MULTIPLIERS
                                                                                       Multiplier's Operation
SUPPLIES & MATERIALS
                                                                                                          Computes "Supplies & Materials -- Operating Expenses" (E79), when multiplied by "Total Operating Revenues" (E71).

Computes "Maintenance -- Operating Expenses" (E80), when multiplied by "Total Operating Revenues" (E71).
                                                            568
                                                                      0.00000 - E568
                                                             569
MAINTENANCE -- OPER. RIP.
                                                             570
                                                                      0.00000 - E570
                                                             571
OTHER--OPER, EXPENSES
                                                             572
                                                                      0.48700 = 2572
                                                                                                                                          -- OperATING Expenses"
                                                                                                                when multiplied by "Total Operating Revenues" (E71). mputes "Depreciation--Variable Expenses" (E86),
                                                             573
DEPRECIATION -- VAR. RYP.
                                                                       0.07500 - E574
                                                             574
                                                                                                                 when multiplied by "Total Operating Revenues" (E71).
                                                             575
INSURANCE -- VAR. ETP
                                                                       0.00000 - E576
                                                                                                                  putes "Insurance--Variable Expenses" (EST),
when multiplied by "Total Operating Revenues" (ET1).
                                                             577
                                                                                                           when militplied by "Total Operating Revenues" (E71).

Computes "Professional Fees--Variable Expenses" (E88),
when multiplied by "Total Operating Revenues" (E71).

Computes "Other (Taxes)--Variable Expenses" (E78),
when multiplied by "Total Operating Revenues" (E71).
PROFESSIONAL PEES--VAR. EXP.
                                                            578
                                                                       0.00000 = E578
                                                             579
OTHER (TAXES) -- VAR. EYP.
                                                             580
                                                                       0.11240 - E580
                                                             581
                                                                                                           when multiplied by "Total Operating Revenues" (E/L).

Computes "Other Assets" (E566),
when multiplied by "Computed Total Assets" (E168).

Computes "Cash, End of Year" (E118),
when multiplied by "Computed Total Assets" (E168).

Computes "Cash, Available for Withdrawal" (E119), when multiplied

Total Ended Year" (E111) minus "Cash, Reginning-Of-Year" (E111)
OTHER ASSETS
                                                                       0.10500 = E582
                                                             583
CASH, END OF YEAR
                                                             584
                                                                       0.04000 - B584
                                                             585
CASH. AVAIL. FOR WITHDRAWAL
                                                                       0.90000 - E586
                                                             586
                                                             587
                                                                                                                  by "Cash, End-Of-Year" (Ells) minus "Cash, Beginning-Of-Year"
                                                             588
                                                             589
                                                             590
                                                             591
EMPLOYER SALARIES -- OPER PYD 502
                                                                       0.00000 - 2592
                                                                                                            Computes "Employee Salaries -- Operating Expenses" (E75),
                                                                                                                when multiplied by "Total Operating Revenues" (E71), imputes "Social Security Benefits -- Operating Expenses"
                                                             593
SOC. SECURITY BENEFITS
                                                             594
                                                                       0.00000 - 8594
                                                                                                                                                                                                                               (E76).
                                                             595
                                                                                                                  when multiplied by "Total Operating Revenues"
putes "Fringe Benefits--Operating Expenses" (
                                                                                                                                                                                                                  (E71).
PRINCE BENFITS -- OPER. EXP.
                                                             596
                                                                       0.00000 - E596
                                                                                                                                                                                                              (E77)
                                                                                                           Computes "Fringe Sensits -- Operating Expenses" (E77), when multiplied by "Total Operating Revenues" (E71). Computes "Heat, Light & Power -- Operating Expenses" (E78). Computes "Computes Total Operating Revenues" (E71). Computes "Computed Total Assets" (E168), when multiplied by "Total Operating Revenues" (E71). Computes "Accounts Receivable -- Current Assets" (E525), when multiplied by "Computed Total Assets" (E525), when multiplied by "Computed Total Assets" (E526), when multiplied by "Computed Total Assets" 
                                                             597
 HEAT. LIGHT & POWER-OPER REP. 598
                                                                        0.00000 - E598
                                                             599
COMPUTER TOTAL ASSETS
                                                              600
                                                                       3.87170 - 2600
                                                              601
ACCTS. REC. -- CURRENT ASSETS
                                                             602
                                                                        0.00025 - E602
                                                              603
DUE FROM OTHER PUNDS-C. ASS.
                                                             604
                                                                        0.00000 - 2604
                                                                                                             Computes "Due From Other Funds--Current Assets" (E148).
when multiplied by "Computed Total Assets" (E148).
Computes "Due From Other Governments--Current Assets" (E148).
                                                              605
DUE FROM OTHER GOV'TS.
                                                                        0.00000 - R606
                                                              607
INVESTIRY AT COST-C. ASSETS
                                                             608
                                                                        0.00025 = E608
                                                                                                                                          story at Cost--Current Assets
                                                                                                            Computes "Inve
                                                                                                                  when multiplied by "Computed Total Assets" (E148).
                                                              603
OTHER--CURRENT ASSETS
                                                             610
                                                                        0.03266 - E610
                                                                                                                                              -Current Assets" (E529),
                                                              611
                                                                                                                   when sultiplied by "Computed Total Assets"
PLANT & ECUIP .-- PIXED ASSETS 612
                                                                                                                  putes "Plant & Equipment -- Pixed Assets" (E540),
when multiplied by "Computed Total Assets" (E148).
                                                                        0.82500 - E612
COMSTRUC. IN PROG. - F. ASSETS 614
                                                                        0.00000 = E614
                                                                                                                           s "Construction in Progress--Fixed Assets"
                                                              615
                                                                                                                   when multiplied by "Computed Total Assets" (E148).
                                                              616
                                                              617
                                                              618
                                                              619
                                                              620
                                                              621
                                                              622
                                                              623
 OTHER INCOME--NET N/O EARM.
                                                              624
                                                                        0.00000 - E624
                                                                                                            Computes "Other Income -- Net Non-Operating Earnings" (E100),
                                                              625
                                                                                                                   when multiplied by "Total Operating Revenues" (E71).
 OTHER--NET NON-OP. RABBITEGS
                                                              626
                                                                        0.00000 - E626
                                                                                                             Computes "Other--Net Non-Operating Earnings" (E103),
                                                                                                                   when multiplied by "Total Operating Revenues" (E71).
                                                              628
                                                              621
                                                              630
                                                              631
                                                                                                            Computes "Accounts Payable--Current Liabilities" (E153),
when multiplied by "Computed Total Assets" (E168).
Computes "Accrued Expenses--Current Liabilities" (E154),
 ACCTS. PAY .-- CURR. LIABIL.
                                                              632
                                                                        0.00000 = E632
 ACCRUED EXP .-- CURR. LIBIL.
                                                              634
                                                                        0.00000 - E634
                                                                                                                   when multiplied by "Computed Total Assets" (E148).
 SHORT-TERM DEBT--C. LIBEL.
                                                                                                                  sputes "Short-Term Debt--Current Liabilities" (E155),
when multiplied by "Computed Total Assets" (E168).
sputes "Current Liabilities Part of Long-Term Debt" (E156),
                                                              636
                                                                        0.00000 - E636
 CURR. LIABIL. PART OF LT. D. 638
                                                                        0.00000 - R638
                                                                                                                  when multiplied by "Computed Total Assets" (E148).
mutes "Current Liabilities Due to Other Funds" (E1
                                                              640
 CURR.LIABIL.DUE OTHER FUEDS
                                                                        0.00000 - E640
                                                                                                                                                                                                                      (B157)
                                                                                                            when multiplied by "Computed Total Assets" (E148).
Computes "Other Current Lighthities" (E158),
when multiplied by "Computed Total Assets" (E148).
 OTHER CURRENT LIABILITIES
                                                              642
                                                                        0.08900 - 2642
 CONTRACTS PAY, PROM R. ASSETSEAA
                                                                                                                   gutes "Contracts Payable From Restricted Assets" (
when multiplied by "Computed Total Assets" (£148).
                                                                        0.00000 - E644
                                                                                                                                                                                                                         (R162)
 DEPOSITS PAY, FROM R. ASSETS 646
                                                                                                            Computes "Deposits Fayable From Restricted Assets" (E148).

Computes "Advances From Other Funds" (E147),
when multiplied by "Computed Total Assets" (E148).
                                                                        0.00000 - E646
                                                                                                                                                                                                                       (R163)
 ADVANCES FROM OTHER FUEDS
                                                              648
                                                                        0.00000 - E648
 INTERNEDIATE-TERM DEST
                                                                                                                                               diste-ferm Debt--Long-ferm Liabilities" (8170),
                                                              650
                                                                        0.23600 - E650
                                                                                                                     mtes "Interm
                                                                                                                   when multiplied by "Computed Total Assets" (E148).
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PREFERRED STOCK--BOUITY
                                           552
                                                 0.01900 = R652
                                                                           Computes "Preferred Stock--Equity" (E173),
                                                                           when multiplied by "Computed Total Assets" (E148).
Computes "Long-Term Debt" (E171),
when multiplied by "Computed Total Assets" (E148).
                                           653
LONG-TERM DEBT
                                                  0.31300 - 2654
                                           654
COMMON STOCK--EQUITY
                                                                           Computes "Common Stock-Equity" (E174),
when multiplied by "Computed Total Assets" (E148).
Computes "Contributed Capital-Equity" (E175),
when multiplied by "Computed Total Assets" (E146).
                                           656
                                                  0.32400 - E656
CONTRIBUTED CAPITAL-FOURTY
                                                  0.00000 = 2658
                                           55A
                                           659
                                           560
                                           661
                                           662
663
                                           664
665
                                            666
                                           667
                                            668
                                           669
                                           670
        LOOK-UP TABLE FOR LOCATING THE CELL ADDRESSES OF THE MULTIPLIERS
    ALPHABETIZED NAMES OF MULTIPLIERS
                                                              CELL ADDRESSES OF MULTIPLIERS
ACCRUED EXPENSES -- CURRENT LIABILITIES
ACCOUNTS PAYABLE -- CURRENT LIABILITIES
ACCOUNTS RECEIVABLE -- CURRENT ASSETS
ADVANCES FROM OTHER FUNDS
CASH, AVAILABLE FOR WITHDRAWAL
CASH, END OF YEAR
COMMON STOCK -- EQUITY
COMPOTED TOTAL ASSETS
COMPOTED TOTAL ASSETS
CONTRACTS PAYABLE FROM RESTRICTED ASSETS
CONTRACTS PAYABLE FROM RESTRICTED ASSETS
CONTRIBUTED CAPITAL -- EQUITY
                                                                           R634
                                                                           E632
                                                                           E602
                                                                           E648
                                                                           E586
                                                                           2584
                                                                           E656
                                                                           E600
                                                                           E614
                                                                           E644
E658
                                                                           E638
E640
                                                                           E646
DEPRECIATION -- VARIABLE EXPENSES ----
                                                                           E574
DUE FROM OTHER FUNDS -- CURRENT ASSETS ----
                                                                           E604
R606
PRINCE BENEFITS -- OPERATING EXPENSES -----
                                                                           R596
HEAT, LIGHT & POWER--OPERATING EXPENSES -----
HEAT, LIGHT & POWER--OPERATING EIPENSES
INSTRANCE--VARIBBLE EIPENSES
INTERMEDIATE-TERM DEBT
INVENTORY AT COST--CURRENT ASSETS
LONG-TERM DEBT
HAINTENANCE--OPERATING EXPENSES
                                                                           2576
                                                                           E608
                                                                           R570
OTHER ASSETS
OTHER CURRENT LIABILITIES
OTHER INCOME--NET NON-OPERATING EARNINGS
                                                                           E582
E642
E580
```

B610

E626 E572 **E612** R652

E578

E636 **E594**

OTHER--NET NON-OPERATING EARNINGS
OTHER--NET NON-OPERATING EXPENSES
PLANT & EQUIPMENT-FIXED ASSETS
PREFERRED STOCK-EQUITY

PROFESSIONAL PRES--VARIABLE EXPENSES

SHORT-TERM DEBT--CURRENT LIABILITIES
SOCIAL SECURITY BENEFITS
SUPPLIES & MATERIALS

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